

Allen-Bradley Bulletin 1609 Driver Help

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Help version 1.019

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Overview

The Allen-Bradley Bulletin 1609 driver provides an easy and reliable way to connect Allen-Bradley Bulletin 1609 UPS to OPC Client applications, including HMI, SCADA, Historian, MES, ERP and countless custom applications. It is intended for use with any device that supports the Simple Network Management Protocol (SNMP) including the Allen-Bradley Bulletin 1609 -U500N Ser A UPS.

Device Setup

Supported Devices

Bulletin 1609 UPS (including 1609-U500N Ser A).
Generic (other SNMP protocol supporting devices).

Communication Protocol

Simple Network Management Protocol (SNMP)

Timeout Parameters

Connect timeout: 1 to 60 seconds
Request timeout: 100 to 30000 milliseconds
Attempts: 1 to 10

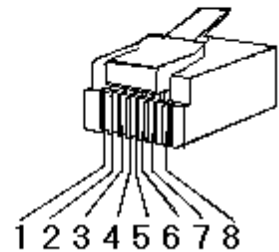
Cable Connection

Patch Cable (Straight Through)

TD + 1	OR/WHT	OR/WHT	1	TD +
TD - 2	OR	OR	2	TD -
RD + 3	GRN/WHT	GRN/WHT	3	RD +
4	BLU	BLU	4	
5	BLU/WHT	BLU/WHT	5	
RD - 6	GRN	GRN	6	RD -
7	BRN/WHT	BRN/WHT	7	
8	BRN	BRN	8	

RJ45 RJ45

10 BaseT



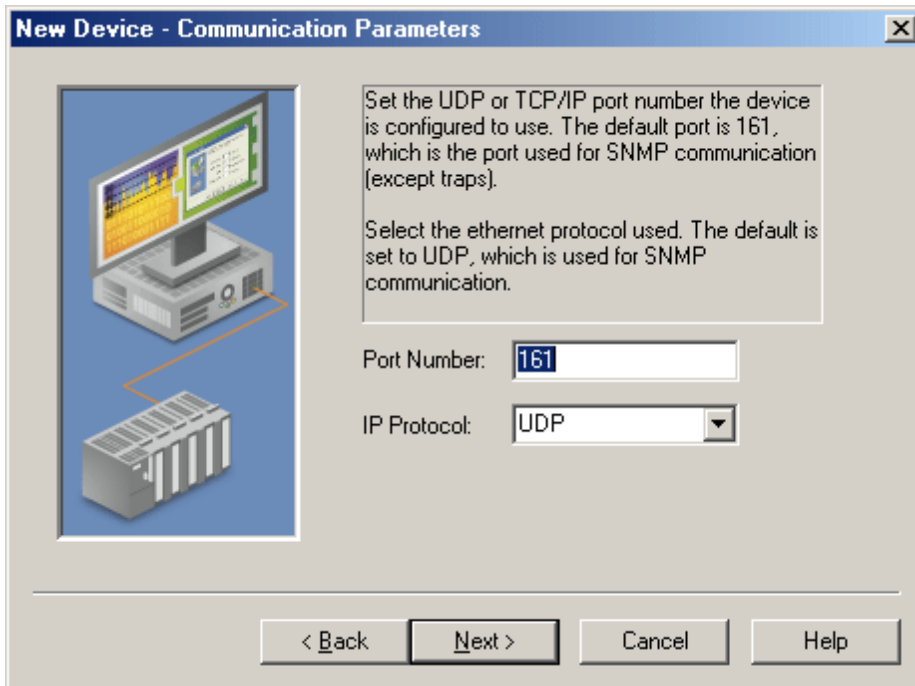
Crossover Cable

TD + 1	OR/WHT	GRN/WHT	1	TD +
TD - 2	OR	GRN	2	TD -
RD + 3	GRN/WHT	OR/WHT	3	RD +
4	BLU	BLU	4	
5	BLU/WHT	BLU/WHT	5	
RD - 6	GRN	OR	6	RD -
7	BRN/WHT	BRN/WHT	7	
8	BRN	BRN	8	

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Communication Parameters

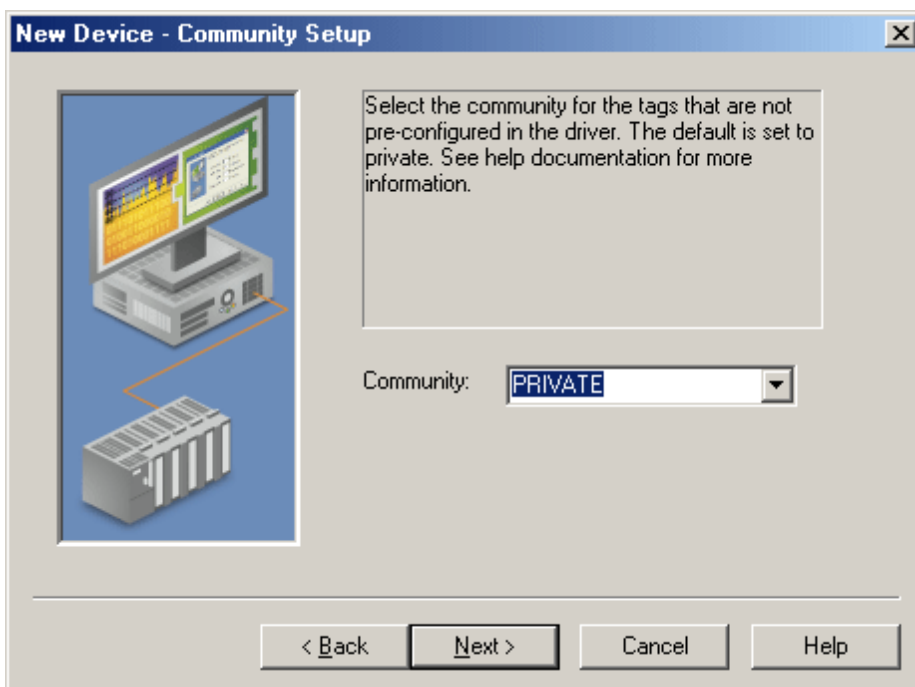


Descriptions of the parameters are as follows:

- **Port Number:** This parameter specifies the port number that the remote device is configured to use. The default port number is 161, which is the standard SNMP port.
- **IP Protocol:** The Allen-Bradley Bulletin 1609 driver connects to supported devices using User Datagram Protocol (UDP). Winsock V1.1 or higher is required.

Community Setup

Community specifies the name of the SNMP community, which is a group of devices (SNMP agents) and management stations (SNMP managers). There are two types of communities: Private and Public. The default setting is private. Users can enter a different name using the Community field.



SNMP Communities

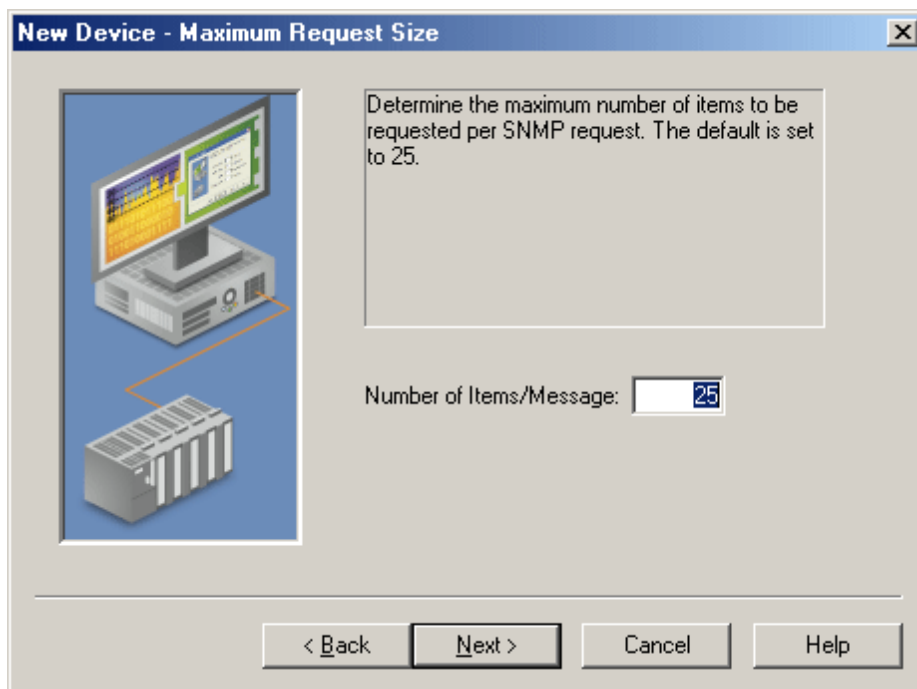
A device can be configured to belong to multiple communities. In the Allen-Bradley Bulletin 1609 driver, the community name functions as a password to authenticate messages sent between a management station and a device. The device will not respond to requests from management stations that do not belong to one of the communities configured for that device. The default SNMP communities are as follows:

Write = Private
Read = Public

When a device (SNMP agent) receives a request, it checks the community name.

- The device will respond to SNMP Get and Get-next requests if the community name matches a Read Only community to which the device belongs.
- The device will respond to SNMP Get, Get-next, and Set requests if the community name matches a Read/Write community to which the device belongs.

Maximum Request Size

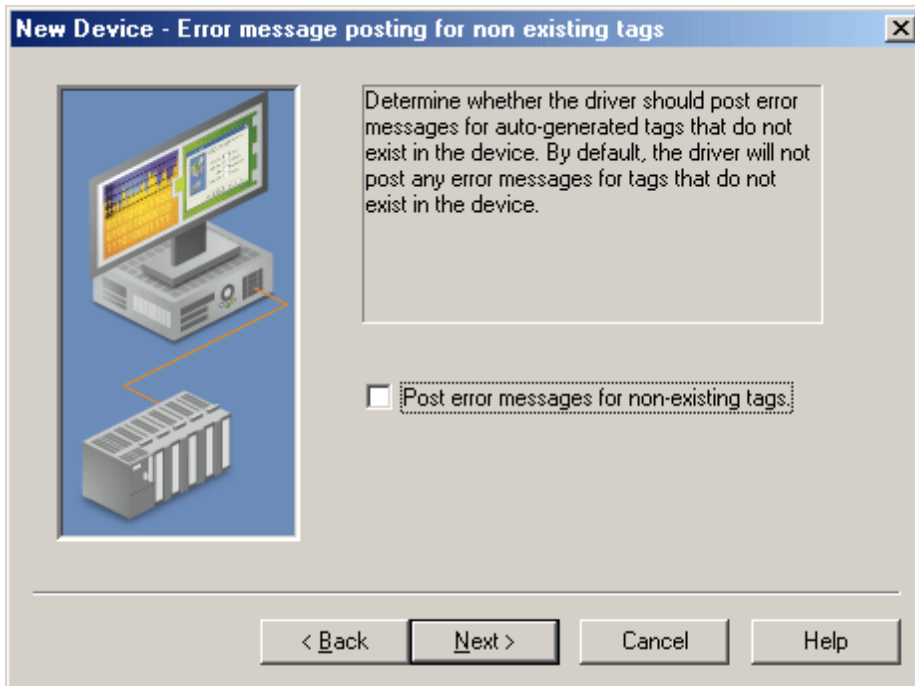


Description of the parameter is as follows:

- **Number of Items/Message:** The Allen-Bradley Bulletin 1609 driver utilizes multiple-items request in the SNMP protocol. This parameter specifies how many items to fetch per request. The default setting is 25.

Error Message Posting for Non Existing Tags

The Allen-Bradley Bulletin 1609 driver automatically generates tags when the Bulletin 1609 model is selected. The auto-generation process uses a fixed database and may generate tags that do not exist in the device. As a result, the SNMP agent running in the device will return "NO SUCH NAME" errors that will be written in the server log.



Description of the parameter is as follows:

- **Post Error Messages for Non-Existing Tags:** When unchecked, the server error log will be kept clear of numerous "NO SUCH NAME" errors. When checked, all "NO SUCH NAME" errors that are returned during automatic tag generation will be written to the server error log. The default setting is unchecked.

Note: Tags will not be generated when the Generic Model is selected.

See Also: [Automatic Tag Database Generation](#)

Automatic Tag Database Generation

The Allen-Bradley Bulletin 1609 Driver utilizes the OPC server's automatic tag database generation feature, which enables drivers to automatically create tags using a fixed database. Automatic tag database generation only occurs when the Bulletin 1609 UPS model is selected. It will not occur if the Generic Model is selected.

Group and Tag Naming

A tag group is created for each of the groups listed in [Address Descriptions](#).

The following screenshot illustrates the results of automatic tag database creation.

The screenshot shows the 'Runtime' application window. On the left is a tree view of the device hierarchy under 'Channel1'. The 'SystemMgmt' folder is selected. On the right is a table listing the generated tags and their addresses.

Tag Name	Address
sysDescr	1.3.6.1.2.1.1.1.0:0
sysObjectID	1.3.6.1.2.1.1.2.0:0
sysUpTime	1.3.6.1.2.1.1.3.0:0
sysContact	1.3.6.1.2.1.1.4.0:0
sysName	1.3.6.1.2.1.1.5.0:0
sysLocation	1.3.6.1.2.1.1.6.0:0
sysServices	1.3.6.1.2.1.1.7.0:0
snmpInPkts	1.3.6.1.2.1.11.1.0:0
snmpInBadValues	1.3.6.1.2.1.11.10.0:0
snmpInReadOnlys	1.3.6.1.2.1.11.11.0:0
snmpInGenErrs	1.3.6.1.2.1.11.12.0:0
snmpInTotalReqVars	1.3.6.1.2.1.11.13.0:0
snmpInTotalSetVars	1.3.6.1.2.1.11.14.0:0
snmpInGetRequests	1.3.6.1.2.1.11.15.0:0
snmpInGetNexts	1.3.6.1.2.1.11.16.0:0
snmpInSetRequests	1.3.6.1.2.1.11.17.0:0
snmpInGetResponses	1.3.6.1.2.1.11.18.0:0

See Also: [Nonexistent Tag Error Posting](#)

Data Types Description

The SNMP protocol supports numerous data types. While the Allen-Bradley 1609 driver does not support all SNMP data types, some have been mapped to the closest primitive data types. The Allen-Bradley 1609 model currently supports the following SNMP data types:

- IPADDRESS (mapped as STRING)
- NSAPADDRESS (mapped as STRING)
- OBJECTIDENTIFIER (mapped as STRING)
- OCTETSTRING (mapped as STRING)
- TIMETICKS (mapped as DWORD)
- COUNTER32 (mapped as DWORD)
- GAUGE (mapped as DWORD)
- INTEGER (mapped as LONG)

Data Type	Description
Word	Read: Unsigned 16 bit value read from device. Write: Value passed directly on to device.
DWord	Read: Unsigned 32 bit value read from device. Write: Value passed directly on to device.
Long	Read: Signed 32 bit value read from device. Write: Value passed directly on to device.
Short	Read: Signed 16 bit value read from device. Write: Value passed directly on to device.
String	Read: Reads maximum of 255 characters. Write: Value passed directly on to device.

Address Descriptions for Generic Model

The Allen-Bradley Bulletin 1609 driver supports devices that fall under the iso:identified-organization namespace. Therefore, all addresses (or Object IDs) for accessing object data in this driver must start with the 1.3 prefix that denotes the iso:identified-organization namespace. The addresses syntax is as follows:

1.3.[X.Y.Z.....]:nOffset

where X, Y and Z mean any number in the range of 0 to 65535 and "..." means the sequence can go on forever (provided that the length of the whole address does not exceed 64 characters). The offset range is 0 to 25.

Primitive Single-Instance Leaf Objects and Columnar Leaf Objects

There are two types of objects in SNMP: Primitive Single-Instance Leaf Objects and Columnar Leaf Objects. Primitive single-instance objects can be accessed by their Object ID, whereas columnar leaf objects require a table index that is determined by the address's nOffset. When accessing a primitive single-instance leaf object, the nOffset must be zero. When accessing a columnar leaf object, the nOffset must be the index in its tree.

Primitive Single-Instance Leaf Object ID Example

1.3.6.1.4.1.318.2.1.6.2.0:0

where 1.3.6.1.4.1.318.2.1.6.2.0 is the Object ID and 0 is the offset.

Columnar Leaf Object ID Example

1.3.6.1.4.1.318.2.1.2.1.2:1

where 1.3.6.1.4.1.318.2.1.2.1.2 is the Object ID and 1 is the offset.

Note: The Generic Model objects' data type is set to DWord by default. It may be changed to Word or String at users' discretion. For information on the correct data types, refer to the device's user manual.

Address Descriptions for Bulletin 1609 Model

In the Allen-Bradley Bulletin 1609 driver, object data in SNMP devices can be accessed using the syntax described in [Generic Model Addressing](#). Tags for the Allen-Bradley Bulletin 1609 model are auto-generated and categorized under groups. The groups are shown in alphabetical order.

Group: None

Tag Name	Object ID	Data Type	Access
nomeIdentName	1.3.6.1.4.1.318.1.1.13.1.1.0:0	String	Read Only
serialPort2Mode	1.3.6.1.4.1.318.1.1.3.1.2.1.1.0:0	Long	Read/Write
setPulseOnTXD	1.3.6.1.4.1.318.1.1.3.1.2.2.1.0:0	Long	Read/Write
upsCommStatus	1.3.6.1.4.1.318.1.1.1.8.1.0:0	Long	Read Only

Group: System

Tag Name	Object ID	Data Type	Access
eggAs	1.3.6.1.2.1.8.6.0:0	Long	Read Only
eggInErrors	1.3.6.1.2.1.8.2.0:0	DWord	Read Only
eggInMsgs	1.3.6.1.2.1.8.1.0:0	DWord	Read Only
eggNeighAddr_01	1.3.6.1.2.1.8.5.1.2:1	DWord	Read Only
eggNeighAs_01	1.3.6.1.2.1.8.5.1.3:1	Long	Read Only
eggNeighEventTrigger_01	1.3.6.1.2.1.8.5.1.15:1	Long	Read/Write
eggNeighInErrMsgs_01	1.3.6.1.2.1.8.5.1.8:1	DWord	Read Only
eggNeighInErrs_01	1.3.6.1.2.1.8.5.1.5:1	DWord	Read Only
eggNeighInMsgs_01	1.3.6.1.2.1.8.5.1.4:1	DWord	Read Only
eggNeighIntervalHello_01	1.3.6.1.2.1.8.5.1.12:1	Long	Read Only
eggNeighIntervalPoll_01	1.3.6.1.2.1.8.5.1.13:1	Long	Read Only
eggNeighMode_01	1.3.6.1.2.1.8.5.1.14:1	Long	Read Only
eggNeighOutErrMsgs_01	1.3.6.1.2.1.8.5.1.9:1	DWord	Read Only
eggNeighOutErrs_01	1.3.6.1.2.1.8.5.1.7:1	DWord	Read Only
eggNeighOutMsgs_01	1.3.6.1.2.1.8.5.1.6:1	DWord	Read Only
eggNeighState_01	1.3.6.1.2.1.8.5.1.1:1	Long	Read Only
eggNeighStateDowns_01	1.3.6.1.2.1.8.5.1.11:1	DWord	Read Only

egpNeighStateUps_01	1.3.6.1.2.1.8.5.1.10:1	DWORD	Read Only
egpOutErrors	1.3.6.1.2.1.8.4.0:0	DWord	Read Only
icmpInAddrMaskReps	1.3.6.1.2.1.5.13.0:0	DWord	Read Only
icmpInAddrMasks	1.3.6.1.2.1.5.12.0:0	DWord	Read Only
icmpInDestUnreachs	1.3.6.1.2.1.5.3.0:0	DWord	Read Only
icmpInEchoReps	1.3.6.1.2.1.5.9.0:0	DWord	Read Only
icmpInEchos	1.3.6.1.2.1.5.8.0:0	DWord	Read Only
icmpInErrors	1.3.6.1.2.1.5.2.0:0	DWord	Read Only
icmpInMsgs	1.3.6.1.2.1.5.1.0:0	DWord	Read Only
icmpInParmProbs	1.3.6.1.2.1.5.5.0:0	DWord	Read Only
icmpInRedirects	1.3.6.1.2.1.5.7.0:0	DWord	Read Only
icmpInSrcQuenchs	1.3.6.1.2.1.5.6.0:0	DWord	Read Only
icmpInTimeExcds	1.3.6.1.2.1.5.4.0:0	DWord	Read Only
icmpInTimestampReps	1.3.6.1.2.1.5.11.0:0	DWord	Read Only
icmpInTimestamps	1.3.6.1.2.1.5.10.0:0	DWord	Read Only
icmpOutAddrMaskReps	1.3.6.1.2.1.5.26.0:0	DWord	Read Only
icmpOutAddrMasks	1.3.6.1.2.1.5.25.0:0	DWord	Read Only
icmpOutDestUnreachs	1.3.6.1.2.1.5.16.0:0	DWord	Read Only
icmpOutEchoReps	1.3.6.1.2.1.5.22.0:0	DWord	Read Only
icmpOutEchos	1.3.6.1.2.1.5.21.0:0	DWord	Read Only
icmpOutErrors	1.3.6.1.2.1.5.15.0:0	DWord	Read Only
icmpOutMsgs	1.3.6.1.2.1.5.14.0:0	DWord	Read Only
icmpOutParmProbs	1.3.6.1.2.1.5.18.0:0	DWord	Read Only
icmpOutRedirects	1.3.6.1.2.1.5.20.0:0	DWord	Read Only
icmpOutSrcQuenchs	1.3.6.1.2.1.5.19.0:0	DWord	Read Only
icmpOutTimeExcds	1.3.6.1.2.1.5.17.0:0	DWord	Read Only
icmpOutTimestampReps	1.3.6.1.2.1.5.24.0:0	DWord	Read Only
icmpOutTimestamps	1.3.6.1.2.1.5.23.0:0	DWord	Read Only
ifAdminStatus_01	1.3.6.1.2.1.2.2.1.7.1:0	Long	Read/Write
ifDescr_01	1.3.6.1.2.1.2.2.1.2.1:0	String	Read Only
ifIndex_01	1.3.6.1.2.1.2.2.1.1.1:0	Long	Read Only
ifInDiscards_01	1.3.6.1.2.1.2.2.1.13.1:0	DWord	Read Only
ifInErrors_01	1.3.6.1.2.1.2.2.1.14.1:0	DWord	Read Only
ifInNUcastPkts_01	1.3.6.1.2.1.2.2.1.12.1:0	DWord	Read Only
ifInOctets_01	1.3.6.1.2.1.2.2.1.10.1:0	DWord	Read Only
ifInUcastPkts_01	1.3.6.1.2.1.2.2.1.11.1:0	DWord	Read Only
ifInUnknownProtos_01	1.3.6.1.2.1.2.2.1.15.1:0	DWord	Read Only
ifLastChange_01	1.3.6.1.2.1.2.2.1.9.1:0	DWord	Read Only
ifMtu_01	1.3.6.1.2.1.2.2.1.4.1:0	Long	Read Only
ifNumber	1.3.6.1.2.1.2.2.1.0:0	Long	Read Only
ifOperStatus_01	1.3.6.1.2.1.2.2.1.8.1:0	Long	Read Only
ifOutDiscards_01	1.3.6.1.2.1.2.2.1.19.1:0	DWord	Read Only
ifOutErrors_01	1.3.6.1.2.1.2.2.1.20.1:0	DWord	Read Only
ifOutNUcastPkts_01	1.3.6.1.2.1.2.2.1.18.1:0	DWord	Read Only
ifOutOctets_01	1.3.6.1.2.1.2.2.1.16.1:0	DWord	Read Only
ifOutQLen_01	1.3.6.1.2.1.2.2.1.21.1:0	DWord	Read Only
ifOutUcastPkts_01	1.3.6.1.2.1.2.2.1.17.1:0	DWord	Read Only
ifPhysAddress_01	1.3.6.1.2.1.2.2.1.6.1:0	String	Read Only
ifSpecific_01	1.3.6.1.2.1.2.2.1.22.1:0	String	Read Only
ifSpeed_01	1.3.6.1.2.1.2.2.1.5.1:0	DWord	Read Only
ifType_01	1.3.6.1.2.1.2.2.1.3.1:0	Long	Read Only
ipAdEntAddr_01	1.3.6.1.2.1.4.20.1.1:1	String	Read Only
ipAdEntBcastAddr_01	1.3.6.1.2.1.4.20.1.4:1	Long	Read Only
ipAdEntIfIndex_01	1.3.6.1.2.1.4.20.1.2:1	Long	Read Only
ipAdEntNetMask_01	1.3.6.1.2.1.4.20.1.3:1	String	Read Only

ipAdEntReasmMaxSize_01	1.3.6.1.2.1.4.20.1.5:1	Long	Read Only
ipDefaultTTL	1.3.6.1.2.1.4.2.0:0	Long	Read/Write
ipForwarding	1.3.6.1.2.1.4.1.0:0	Long	Read/Write
ipForwDatagrams	1.3.6.1.2.1.4.6.0:0	DWord	Read Only
ipFragCreates	1.3.6.1.2.1.4.19.0:0	DWord	Read Only
ipFragFails	1.3.6.1.2.1.4.18.0:0	DWord	Read Only
ipFragOKs	1.3.6.1.2.1.4.17.0:0	DWord	Read Only
ipInAddrErrors	1.3.6.1.2.1.4.5.0:0	DWord	Read Only
ipInDelivers	1.3.6.1.2.1.4.9.0:0	DWord	Read Only
ipInDiscards	1.3.6.1.2.1.4.8.0:0	DWord	Read Only
ipInHdrErrors	1.3.6.1.2.1.4.4.0:0	DWord	Read Only
ipInReceives	1.3.6.1.2.1.4.3.0:0	DWord	Read Only
ipInUnknownProtos	1.3.6.1.2.1.4.7.0:0	DWord	Read Only
ipNetToMediaIfIndex_01	1.3.6.1.2.1.4.22.1.1:1	Long	Read/Write
ipNetToMediaNetAddress_01	1.3.6.1.2.1.4.22.1.3:1	String	Read/Write
ipNetToMediaPhysAddress_01	1.3.6.1.2.1.4.22.1.2:1	String	Read/Write
ipNetToMediaType_01	1.3.6.1.2.1.4.22.1.4:1	Long	Read/Write
ipOutDiscards	1.3.6.1.2.1.4.11.0:0	DWord	Read Only
ipOutNoRoutes	1.3.6.1.2.1.4.12.0:0	DWord	Read Only
ipOutRequests	1.3.6.1.2.1.4.10.0:0	DWord	Read Only
ipReasmFails	1.3.6.1.2.1.4.16.0:0	DWord	Read Only
ipReasmOKs	1.3.6.1.2.1.4.15.0:0	DWord	Read Only
ipReasmReqds	1.3.6.1.2.1.4.14.0:0	DWord	Read Only
ipReasmTimeout	1.3.6.1.2.1.4.13.0:0	Long	Read Only
ipRouteAge_01	1.3.6.1.2.1.4.21.1.10:1	Long	Read/Write
ipRouteDest_01	1.3.6.1.2.1.4.21.1.1:1	String	Read/Write
ipRouteIfIndex_01	1.3.6.1.2.1.4.21.1.2:1	Long	Read/Write
ipRouteInfo_01	1.3.6.1.2.1.4.21.1.13:1	String	Read Only
ipRouteMask_01	1.3.6.1.2.1.4.21.1.11:1	String	Read/Write
ipRouteMetric1_01	1.3.6.1.2.1.4.21.1.3:1	Long	Read/Write
ipRouteMetric2_01	1.3.6.1.2.1.4.21.1.4:1	Long	Read/Write
ipRouteMetric3_01	1.3.6.1.2.1.4.21.1.5:1	Long	Read/Write
ipRouteMetric4_01	1.3.6.1.2.1.4.21.1.6:1	Long	Read/Write
ipRouteMetric5_01	1.3.6.1.2.1.4.21.1.12:1	Long	Read/Write
ipRouteNextHop_01	1.3.6.1.2.1.4.21.1.7:1	String	Read/Write
ipRouteProto_01	1.3.6.1.2.1.4.21.1.9:1	Long	Read Only
ipRouteType_01	1.3.6.1.2.1.4.21.1.8:1	Long	Read/Write
ipRoutingDiscards	1.3.6.1.2.1.4.23.0:0	DWord	Read Only
snmpEnableAuthenTraps	1.3.6.1.2.1.11.30.0:0	Long	Read/Write
snmpInASNParseErrs	1.3.6.1.2.1.11.6.0:0	DWord	Read Only
snmpInBadCommunityNames	1.3.6.1.2.1.11.4.0:0	DWord	Read Only
snmpInBadCommunityUses	1.3.6.1.2.1.11.5.0:0	DWord	Read Only
snmpInBadValues	1.3.6.1.2.1.11.10.0:0	DWord	Read Only
snmpInBadVersions	1.3.6.1.2.1.11.3.0:0	DWord	Read Only
snmpInGenErrs	1.3.6.1.2.1.11.12.0:0	DWord	Read Only
snmpInGetNexts	1.3.6.1.2.1.11.16.0:0	DWord	Read Only
snmpInGetRequests	1.3.6.1.2.1.11.15.0:0	DWord	Read Only
snmpInGetResponses	1.3.6.1.2.1.11.18.0:0	DWord	Read Only
snmpInNoSuchNames	1.3.6.1.2.1.11.9.0:0	DWord	Read Only
snmpInPkts	1.3.6.1.2.1.11.1.0:0	DWord	Read Only
snmpInReadOnlys	1.3.6.1.2.1.11.11.0:0	DWord	Read Only
snmpInSetRequests	1.3.6.1.2.1.11.17.0:0	DWord	Read Only
snmpInTooBig	1.3.6.1.2.1.11.8.0:0	DWord	Read Only
snmpInTotalReqVars	1.3.6.1.2.1.11.13.0:0	DWord	Read Only
snmpInTotalSetVars	1.3.6.1.2.1.11.14.0:0	DWord	Read Only

snmpInTraps	1.3.6.1.2.1.11.19.0:0	DWord	Read Only
snmpOutBadValues	1.3.6.1.2.1.11.22.0:0	DWord	Read Only
snmpOutGenErrs	1.3.6.1.2.1.11.24.0:0	DWord	Read Only
snmpOutGetNexts	1.3.6.1.2.1.11.26.0:0	DWord	Read Only
snmpOutGetRequests	1.3.6.1.2.1.11.25.0:0	DWord	Read Only
snmpOutGetResponses	1.3.6.1.2.1.11.28.0:0	DWord	Read Only
snmpOutNoSuchNames	1.3.6.1.2.1.11.21.0:0	DWord	Read Only
snmpOutPkts	1.3.6.1.2.1.11.2.0:0	DWord	Read Only
snmpOutSetRequests	1.3.6.1.2.1.11.27.0:0	DWord	Read Only
snmpOutTooBig	1.3.6.1.2.1.11.20.0:0	DWord	Read Only
snmpOutTraps	1.3.6.1.2.1.11.29.0:0	DWord	Read Only
sysContact	1.3.6.1.2.1.1.4.0:0	String	Read/Write
sysDescr	1.3.6.1.2.1.1.1.0:0	String	Read Only
sysLocation	1.3.6.1.2.1.1.6.0:0	String	Read/Write
sysName	1.3.6.1.2.1.1.5.0:0	String	Read/Write
sysObjectID	1.3.6.1.2.1.1.2.0:0	String	Read Only
sysServices	1.3.6.1.2.1.1.7.0:0	Long	Read Only
sysUpTime	1.3.6.1.2.1.1.3.0:0	DWord	Read Only
tcpActiveOpens	1.3.6.1.2.1.6.5.0:0	DWord	Read Only
tcpAttemptFails	1.3.6.1.2.1.6.7.0:0	DWord	Read Only
tcpConnLocalAddress_01	1.3.6.1.2.1.6.13.1.2:1	String	Read Only
tcpConnLocalPort_01	1.3.6.1.2.1.6.13.1.3:1	Long	Read Only
tcpConnRemAddress_01	1.3.6.1.2.1.6.13.1.4:1	String	Read Only
tcpConnRemPort_01	1.3.6.1.2.1.6.13.1.5:1	Long	Read Only
tcpConnState_01	1.3.6.1.2.1.6.13.1.1:1	Long	Read/Write
tcpCurrEstab	1.3.6.1.2.1.6.9.0:0	DWord	Read Only
tcpEstabResets	1.3.6.1.2.1.6.8.0:0	DWord	Read Only
tcpInErrs	1.3.6.1.2.1.6.14.0:0	DWord	Read Only
tcpInSegs	1.3.6.1.2.1.6.10.0:0	DWord	Read Only
tcpMaxConn	1.3.6.1.2.1.6.4.0:0	Long	Read Only
tcpOutRsts	1.3.6.1.2.1.6.15.0:0	DWord	Read Only
tcpOutSegs	1.3.6.1.2.1.6.11.0:0	DWord	Read Only
tcpPassiveOpens	1.3.6.1.2.1.6.6.0:0	DWord	Read Only
tcpRetransSegs	1.3.6.1.2.1.6.12.0:0	DWord	Read Only
tcpRtoAlgorithm	1.3.6.1.2.1.6.1.0:0	Long	Read Only
tcpRtoMax	1.3.6.1.2.1.6.3.0:0	Long	Read Only
tcpRtoMin	1.3.6.1.2.1.6.2.0:0	Long	Read Only
udpInDatagrams	1.3.6.1.2.1.7.1.0:0	DWord	Read Only
udpInErrors	1.3.6.1.2.1.7.3.0:0	DWord	Read Only
udpLocalAddress_01	1.3.6.1.2.1.7.5.1.1:1	String	Read Only
udpLocalPort_01	1.3.6.1.2.1.7.5.1.2:1	Long	Read Only
udpNoPorts	1.3.6.1.2.1.7.2.0:0	DWord	Read Only
udpOutDatagrams	1.3.6.1.2.1.7.4.0:0	DWord	Read Only
egpOutMsgs	1.3.6.1.2.1.8.3.0:0	DWord	Read Only
sysTrap	1.3.6.1.2.1.11:TV	Long	Read Only

Group: UPSATSCALIB

Tag Name	Object ID	Data Type	Access
Calibration.atsCalibrationNumInputPhases	1.3.6.1.4.1.318.1.1.8.2.1.2.0:0	Long	Read Only
Calibration.atsCalibrationNumInputs	1.3.6.1.4.1.318.1.1.8.2.1.1.0:0	Long	Read Only
Calibration.atsCalibrationNumOutputPhases	1.3.6.1.4.1.318.1.1.8.2.3.2.0:0	Long	Read Only
Calibration.atsCalibrationNumOutputs	1.3.6.1.4.1.318.1.1.8.2.3.1.0:0	Long	Read Only
Calibration.atsCalibrationPowerSupplyVoltages	1.3.6.1.4.1.318.1.1.8.2.2.1.0:0	Long	Read Only

Group: UPSATSCNFG

Tag Name	Object ID	Data Type	Access
Config.atsConfigCurrentLimit	1.3.6.1.4.1.318.1.1.8.4.6.0:0	Long	Read/Write
Config.atsConfigFrontPanelLockout	1.3.6.1.4.1.318.1.1.8.4.3.0:0	Long	Read/Write
Config.atsConfigPreferredSource	1.3.6.1.4.1.318.1.1.8.4.2.0:0	Long	Read/Write
Config.atsConfigProductName	1.3.6.1.4.1.318.1.1.8.4.1.0:0	String	Read/Write
Config.atsConfigResetValues	1.3.6.1.4.1.318.1.1.8.4.7.0:0	Long	Read/Write
Config.atsConfigTransferVoltageRange	1.3.6.1.4.1.318.1.1.8.4.5.0:0	Long	Read/Write
Config.atsConfigVoltageSensitivity	1.3.6.1.4.1.318.1.1.8.4.4.0:0	Long	Read/Write

Group: UPSATSCNTRL

Tag Name	Object ID	Data Type	Access
Control.atsControlClearAllAlarms	1.3.6.1.4.1.318.1.1.8.3.2.0:0	Long	Read/Write
Control.atsControlResetATS	1.3.6.1.4.1.318.1.1.8.3.1.0:0	Long	Read/Write

Group: UPSATSSTATUS

Tag Name	Object ID	Data Type	Access
Status.atsStatus24VPowerSupply	1.3.6.1.4.1.318.1.1.8.5.1.6.0:0	Long	Read Only
Status.atsStatus5VPowerSupply	1.3.6.1.4.1.318.1.1.8.5.1.5.0:0	Long	Read Only
Status.atsStatusCommStatus	1.3.6.1.4.1.318.1.1.8.5.1.1.0:0	Long	Read Only
Status.atsStatusOverCurrentState	1.3.6.1.4.1.318.1.1.8.5.1.4.0:0	Long	Read Only
Status.atsStatusRedundancyState	1.3.6.1.4.1.318.1.1.8.5.1.3.0:0	Long	Read Only
Status.atsStatusResetMaxMinValues	1.3.6.1.4.1.318.1.1.8.5.2.1.0:0	Long	Read/Write
Status.atsStatusSelectedSource	1.3.6.1.4.1.318.1.1.8.5.1.2.0:0	Long	Read Only

Group: UPSBATTERY

Tag Name	Object ID	Data Type	Access
upsAdvBatteryCapacity	1.3.6.1.4.1.318.1.1.1.2.2.1.0:0	DWord	Read Only
upsAdvBatteryNumOfBadBattPacks	1.3.6.1.4.1.318.1.1.1.2.2.6.0:0	Long	Read Only
upsAdvBatteryNumOfBattPacks	1.3.6.1.4.1.318.1.1.1.2.2.5.0:0	Long	Read Only
upsAdvBatteryReplaceIndicator	1.3.6.1.4.1.318.1.1.1.2.2.4.0:0	Long	Read Only
upsAdvBatteryRunTimeRemaining	1.3.6.1.4.1.318.1.1.1.2.2.3.0:0	DWord	Read Only
upsAdvBatteryTemperature	1.3.6.1.4.1.318.1.1.1.2.2.2.0:0	DWord	Read Only
upsBasicBatteryLastReplaceDATE	1.3.6.1.4.1.318.1.1.1.2.1.3.0:0	String	Read/Write
upsBasicBatteryStatus	1.3.6.1.4.1.318.1.1.1.2.1.1.0:0	Long	Read Only
upsBasicBatteryTimeOnBattery	1.3.6.1.4.1.318.1.1.1.2.1.2.0:0	DWord	Read Only

Group: UPSCNFGADV

Tag Name	Object ID	Data Type	Access
Advanced.apcUpsConfigFieldIndex_01	1.3.6.1.4.1.318.1.1.1.5.2.16.1.1:1	Long	Read Only
Advanced.apcUpsConfigFieldIndex_02	1.3.6.1.4.1.318.1.1.1.5.2.16.1.1:2	Long	Read Only
Advanced.apcUpsConfigFieldIndex_03	1.3.6.1.4.1.318.1.1.1.5.2.16.1.1:3	Long	Read Only
Advanced.apcUpsConfigFieldIndex_04	1.3.6.1.4.1.318.1.1.1.5.2.16.1.1:4	Long	Read Only
Advanced.apcUpsConfigFieldIndex_05	1.3.6.1.4.1.318.1.1.1.5.2.16.1.1:5	Long	Read Only
Advanced.apcUpsConfigFieldIndex_06	1.3.6.1.4.1.318.1.1.1.5.2.16.1.1:6	Long	Read Only
Advanced.apcUpsConfigFieldIndex_07	1.3.6.1.4.1.318.1.1.1.5.2.16.1.1:7	Long	Read Only
Advanced.apcUpsConfigFieldIndex_08	1.3.6.1.4.1.318.1.1.1.5.2.16.1.1:8	Long	Read Only
Advanced.apcUpsConfigFieldIndex_09	1.3.6.1.4.1.318.1.1.1.5.2.16.1.1:9	Long	Read Only
Advanced.apcUpsConfigFieldOID_01	1.3.6.1.4.1.318.1.1.1.5.2.16.1.2:1	String	Read Only
Advanced.apcUpsConfigFieldOID_02	1.3.6.1.4.1.318.1.1.1.5.2.16.1.2:2	String	Read Only
Advanced.apcUpsConfigFieldOID_03	1.3.6.1.4.1.318.1.1.1.5.2.16.1.2:3	String	Read Only
Advanced.apcUpsConfigFieldOID_04	1.3.6.1.4.1.318.1.1.1.5.2.16.1.2:4	String	Read Only
Advanced.apcUpsConfigFieldOID_05	1.3.6.1.4.1.318.1.1.1.5.2.16.1.2:5	String	Read Only
Advanced.apcUpsConfigFieldOID_06	1.3.6.1.4.1.318.1.1.1.5.2.16.1.2:6	String	Read Only
Advanced.apcUpsConfigFieldOID_07	1.3.6.1.4.1.318.1.1.1.5.2.16.1.2:7	String	Read Only
Advanced.apcUpsConfigFieldOID_08	1.3.6.1.4.1.318.1.1.1.5.2.16.1.2:8	String	Read Only

Advanced.apcUpsConfigFieldOID_09	1.3.6.1.4.1.318.1.1.1.5.2.16.1.2:9	String	Read Only
Advanced.apcUpsConfigFieldValueRange_01	1.3.6.1.4.1.318.1.1.1.5.2.16.1.3:1	String	Read Only
Advanced.apcUpsConfigFieldValueRange_02	1.3.6.1.4.1.318.1.1.1.5.2.16.1.3:2	String	Read Only
Advanced.apcUpsConfigFieldValueRange_03	1.3.6.1.4.1.318.1.1.1.5.2.16.1.3:3	String	Read Only
Advanced.apcUpsConfigFieldValueRange_04	1.3.6.1.4.1.318.1.1.1.5.2.16.1.3:4	String	Read Only
Advanced.apcUpsConfigFieldValueRange_05	1.3.6.1.4.1.318.1.1.1.5.2.16.1.3:5	String	Read Only
Advanced.apcUpsConfigFieldValueRange_06	1.3.6.1.4.1.318.1.1.1.5.2.16.1.3:6	String	Read Only
Advanced.apcUpsConfigFieldValueRange_07	1.3.6.1.4.1.318.1.1.1.5.2.16.1.3:7	String	Read Only
Advanced.apcUpsConfigFieldValueRange_08	1.3.6.1.4.1.318.1.1.1.5.2.16.1.3:8	String	Read Only
Advanced.apcUpsConfigFieldValueRange_09	1.3.6.1.4.1.318.1.1.1.5.2.16.1.3:9	String	Read Only
Advanced.dipSwitchIndex_01	1.3.6.1.4.1.318.1.1.1.5.2.13.1.1:1	Long	Read Only
Advanced.dipSwitchStatus_01	1.3.6.1.4.1.318.1.1.1.5.2.13.1.2:1	Long	Read Only
Advanced.upsAdvConfigAlarm	1.3.6.1.4.1.318.1.1.1.5.2.4.0:0	Long	Read/Write
Advanced.upsAdvConfigAlarmLoadOver	1.3.6.1.4.1.318.1.1.1.5.2.22.0:0	Long	Read/Write
Advanced.upsAdvConfigAlarmRedundancy	1.3.6.1.4.1.318.1.1.1.5.2.21.0:0	Long	Read/Write
Advanced.upsAdvConfigAlarmRuntimeUnder	1.3.6.1.4.1.318.1.1.1.5.2.23.0:0	Long	Read/Write
Advanced.upsAdvConfigAlarmTimer	1.3.6.1.4.1.318.1.1.1.5.2.5.0:0	DWord	Read/Write
Advanced.upsAdvConfigBattCabAmpHour	1.3.6.1.4.1.318.1.1.1.5.2.17.0:0	Long	Read/Write
Advanced.upsAdvConfigBattExhaustThresh	1.3.6.1.4.1.318.1.1.1.5.2.14.0:0	DWord	Read/Write
Advanced.upsAdvConfigHighTransferVolt	1.3.6.1.4.1.318.1.1.1.5.2.2.0:0	Long	Read/Write
Advanced.upsAdvConfigLowBatteryRunTime	1.3.6.1.4.1.318.1.1.1.5.2.8.0:0	DWord	Read/Write
Advanced.upsAdvConfigLowTransferVolt	1.3.6.1.4.1.318.1.1.1.5.2.3.0:0	Long	Read/Write
Advanced.upsAdvConfigMinReturnCapacity	1.3.6.1.4.1.318.1.1.1.5.2.6.0:0	Long	Read/Write
Advanced.upsAdvConfigOutputFreqRange	1.3.6.1.4.1.318.1.1.1.5.2.19.0:0	Long	Read/Write
Advanced.upsAdvConfigPassword	1.3.6.1.4.1.318.1.1.1.5.2.15.0:0	String	Read/Write
Advanced.upsAdvConfigPositionSelector	1.3.6.1.4.1.318.1.1.1.5.2.18.0:0	Long	Read/Write
Advanced.upsAdvConfigRatedOutputVoltage	1.3.6.1.4.1.318.1.1.1.5.2.1.0:0	Long	Read/Write
Advanced.upsAdvConfigReturnDelay	1.3.6.1.4.1.318.1.1.1.5.2.9.0:0	DWord	Read/Write
Advanced.upsAdvConfigSensitivity	1.3.6.1.4.1.318.1.1.1.5.2.7.0:0	Long	Read/Write
Advanced.upsAdvConfigSetEEPROMDefaults	1.3.6.1.4.1.318.1.1.1.5.2.12.0:0	Long	Read/Write
Advanced.upsAdvConfigShutoffDelay	1.3.6.1.4.1.318.1.1.1.5.2.10.0:0	DWord	Read/Write
Advanced.upsAdvConfigUPSFail	1.3.6.1.4.1.318.1.1.1.5.2.20.0:0	Long	Read/Write
Advanced.upsAdvConfigUpsSleepTime	1.3.6.1.4.1.318.1.1.1.5.2.11.0:0	DWord	Read/Write
Advanced.upsAdvConfigVoutReporting	1.3.6.1.4.1.318.1.1.1.5.2.24.0:0	Long	Read/Write

Group: UPSCNFGBASIC

Tag Name	Object ID	Data Type	Access
Basic.acceptThisDevice_01	1.3.6.1.4.1.318.1.1.1.5.1.2.1.4:1	Long	Read/Write
Basic.acceptThisDevice_02	1.3.6.1.4.1.318.1.1.1.5.1.2.1.4:2	Long	Read/Write
Basic.acceptThisDevice_03	1.3.6.1.4.1.318.1.1.1.5.1.2.1.4:3	Long	Read/Write
Basic.acceptThisDevice_04	1.3.6.1.4.1.318.1.1.1.5.1.2.1.4:4	Long	Read/Write
Basic.deviceIndex_01	1.3.6.1.4.1.318.1.1.1.5.1.2.1.1:1	Long	Read Only
Basic.deviceIndex_02	1.3.6.1.4.1.318.1.1.1.5.1.2.1.1:2	Long	Read Only
Basic.deviceIndex_03	1.3.6.1.4.1.318.1.1.1.5.1.2.1.1:3	Long	Read Only
Basic.deviceIndex_04	1.3.6.1.4.1.318.1.1.1.5.1.2.1.1:4	Long	Read Only
Basic.deviceName_01	1.3.6.1.4.1.318.1.1.1.5.1.2.1.2:1	String	Read/Write
Basic.deviceName_02	1.3.6.1.4.1.318.1.1.1.5.1.2.1.2:2	String	Read/Write
Basic.deviceName_03	1.3.6.1.4.1.318.1.1.1.5.1.2.1.2:3	String	Read/Write
Basic.deviceName_04	1.3.6.1.4.1.318.1.1.1.5.1.2.1.2:4	String	Read/Write
Basic.upsBasicConfigNumDevices	1.3.6.1.4.1.318.1.1.1.5.1.1.0:0	Long	Read Only
Basic.vaRating_01	1.3.6.1.4.1.318.1.1.1.5.1.2.1.3:1	Long	Read/Write
Basic.vaRating_02	1.3.6.1.4.1.318.1.1.1.5.1.2.1.3:2	Long	Read/Write
Basic.vaRating_03	1.3.6.1.4.1.318.1.1.1.5.1.2.1.3:3	Long	Read/Write
Basic.vaRating_04	1.3.6.1.4.1.318.1.1.1.5.1.2.1.3:4	Long	Read/Write

Group: UPSCONTROL

Tag Name	Object ID	Data Type	Access
upsAdvControlBypassSwitch	1.3.6.1.4.1.318.1.1.1.6.2.7.0:0	Long	Read/Write
upsAdvControlFlashAndBeep	1.3.6.1.4.1.318.1.1.1.6.2.5.0:0	Long	Read/Write
upsAdvControlRebootUps	1.3.6.1.4.1.318.1.1.1.6.2.2.0:0	Long	Read/Write
upsAdvControlSimulatePowerFail	1.3.6.1.4.1.318.1.1.1.6.2.4.0:0	Long	Read/Write
upsAdvControlTurnOnUPS	1.3.6.1.4.1.318.1.1.1.6.2.6.0:0	Long	Read/Write
upsAdvControlUpsOff	1.3.6.1.4.1.318.1.1.1.6.2.1.0:0	Long	Read/Write
upsAdvControlUpsSleep	1.3.6.1.4.1.318.1.1.1.6.2.3.0:0	Long	Read/Write
upsBasicControlConserveBattery	1.3.6.1.4.1.318.1.1.1.6.1.1.0:0	Long	Read/Write

Group: UPSDCMIM2

Tag Name	Object ID	Data Type	Access
dcmim2IdentSysFWVersion	1.3.6.1.4.1.318.1.1.9.1.1.1.0:0	Long	Read Only

Group: UPSDCMIM2CNFG

Tag Name	Object ID	Data Type	Access
Config.dcmim2ConfigBattCapacityTestCurrent	1.3.6.1.4.1.318.1.1.9.3.2.9.0:0	Long	Read/Write
Config.dcmim2ConfigBattCapacityTestEndThresh	1.3.6.1.4.1.318.1.1.9.3.2.8.0:0	Long	Read/Write
Config.dcmim2ConfigBattCapacityTestPercent	1.3.6.1.4.1.318.1.1.9.3.2.7.0:0	Long	Read/Write
Config.dcmim2ConfigBattFloatVolt	1.3.6.1.4.1.318.1.1.9.3.2.1.0:0	Long	Read/Write
Config.dcmim2ConfigBattFunctTestDuration	1.3.6.1.4.1.318.1.1.9.3.2.5.0:0	Long	Read/Write
Config.dcmim2ConfigBattFunctTestThresh	1.3.6.1.4.1.318.1.1.9.3.2.6.0:0	Long	Read/Write
Config.dcmim2ConfigBattMaxRecharge	1.3.6.1.4.1.318.1.1.9.3.2.2.0:0	Long	Read/Write
Config.dcmim2ConfigBattMfgCapacity	1.3.6.1.4.1.318.1.1.9.3.2.3.0:0	Long	Read/Write
Config.dcmim2ConfigBattType	1.3.6.1.4.1.318.1.1.9.3.2.4.0:0	Long	Read/Write
Config.dcmim2ConfigLVDTTableSize	1.3.6.1.4.1.318.1.1.9.3.3.1.0:0	Long	Read Only
Config.dcmim2ConfigSysHighTempReset	1.3.6.1.4.1.318.1.1.9.3.1.2.0:0	Long	Read/Write
Config.dcmim2ConfigSysHighTempTrip	1.3.6.1.4.1.318.1.1.9.3.1.1.0:0	Long	Read/Write
Config.dcmim2ConfigSysLowTempReset	1.3.6.1.4.1.318.1.1.9.3.1.4.0:0	Long	Read/Write
Config.dcmim2ConfigSysLowTempTrip	1.3.6.1.4.1.318.1.1.9.3.1.3.0:0	Long	Read/Write

Group: UPSDCMIM2CTRL

Tag Name	Object ID	Data Type	Access
Control.dcmim2ControlRunCapacityBatteryTest	1.3.6.1.4.1.318.1.1.9.2.1.2.0:0	Long	Read/Write
Control.dcmim2ControlRunFunctBatteryTest	1.3.6.1.4.1.318.1.1.9.2.1.1.0:0	Long	Read/Write

Group: UPSDCMIM2STATUS

Tag Name	Object ID	Data Type	Access
Status.dcmim2StatusAlarmsTableSize	1.3.6.1.4.1.318.1.1.9.4.5.1.0:0	Long	Read Only
Status.dcmim2StatusBattCapacityTestResult	1.3.6.1.4.1.318.1.1.9.4.3.7.0:0	Long	Read Only
Status.dcmim2StatusBattCurrent	1.3.6.1.4.1.318.1.1.9.4.3.2.0:0	Long	Read Only
Status.dcmim2StatusBattFloatVolt	1.3.6.1.4.1.318.1.1.9.4.3.1.0:0	Long	Read Only
Status.dcmim2StatusBattFunctTestResult	1.3.6.1.4.1.318.1.1.9.4.3.6.0:0	Long	Read Only
Status.dcmim2StatusBattMfgCapacity	1.3.6.1.4.1.318.1.1.9.4.3.4.0:0	Long	Read Only
Status.dcmim2StatusBattTemp	1.3.6.1.4.1.318.1.1.9.4.3.3.0:0	Long	Read Only
Status.dcmim2StatusBattTestCapacity	1.3.6.1.4.1.318.1.1.9.4.3.5.0:0	Long	Read Only
Status.dcmim2StatusLVDTTableSize	1.3.6.1.4.1.318.1.1.9.4.4.1.0:0	Long	Read Only
Status.dcmim2StatusRectTableSize	1.3.6.1.4.1.318.1.1.9.4.2.1.0:0	Long	Read Only
Status.dcmim2StatusSysAmbientTemp	1.3.6.1.4.1.318.1.1.9.4.1.4.0:0	Long	Read Only
Status.dcmim2StatusSysBusVoltage	1.3.6.1.4.1.318.1.1.9.4.1.3.0:0	Long	Read Only
Status.dcmim2StatusSysLoadCurrent	1.3.6.1.4.1.318.1.1.9.4.1.2.0:0	Long	Read Only
Status.dcmim2StatusSysRectCurrent	1.3.6.1.4.1.318.1.1.9.4.1.1.0:0	Long	Read Only
Status.dcmim2StatusSysTempUnits	1.3.6.1.4.1.318.1.1.9.4.1.6.0:0	Long	Read Only
Status.dcmim2StatusSysUpTime	1.3.6.1.4.1.318.1.1.9.4.1.5.0:0	String	Read Only

Group: UPSDIAG

Tag Name	Object ID	Data Type	Access
upsDiagBatteryTableSize	1.3.6.1.4.1.318.1.1.1.13.3.1.0:0	Long	Read Only
upsDiagIMTableSize	1.3.6.1.4.1.318.1.1.1.13.1.1.0:0	Long	Read Only
upsDiagPMTableSize	1.3.6.1.4.1.318.1.1.1.13.2.1.0:0	Long	Read Only

Groups: UPSDIAGCOMM

Tag Name	Object ID	Data Type	Access
upsDiagComBusExternalMIMStatus	1.3.6.1.4.1.318.1.1.1.13.6.4.0:0	Long	Read Only
upsDiagComBusExternalRIMStatus	1.3.6.1.4.1.318.1.1.1.13.6.5.0:0	Long	Read Only
upsDiagComBusInternalMIMStatus	1.3.6.1.4.1.318.1.1.1.13.6.1.0:0	Long	Read Only
upsDiagComBusInternalRIMStatus	1.3.6.1.4.1.318.1.1.1.13.6.2.0:0	Long	Read Only
upsDiagComBusMIMtoRIMStatus	1.3.6.1.4.1.318.1.1.1.13.6.3.0:0	Long	Read Only

Groups: UPSDIAGEXT

Tag Name	Object ID	Data Type	Access
upsDiagMCCBBoxStatus	1.3.6.1.4.1.318.1.1.1.13.5.2.1.0:0	Long	Read Only
upsDiagSwitchGearBypassSwitchStatus	1.3.6.1.4.1.318.1.1.1.13.5.1.4.0:0	Long	Read Only
upsDiagSwitchGearInputSwitchStatus	1.3.6.1.4.1.318.1.1.1.13.5.1.2.0:0	Long	Read Only
upsDiagSwitchGearOutputSwitchStatus	1.3.6.1.4.1.318.1.1.1.13.5.1.3.0:0	Long	Read Only
upsDiagSwitchGearStatus	1.3.6.1.4.1.318.1.1.1.13.5.1.1.0:0	Long	Read Only
upsDiagTransformerStatus	1.3.6.1.4.1.318.1.1.1.13.5.3.1.0:0	Long	Read Only

Groups: UPSDIAGSUB

Tag Name	Object ID	Data Type	Access
upsDiagSubSysBattMonitorTableSize	1.3.6.1.4.1.318.1.1.1.13.4.5.0:0	Long	Read Only
upsDiagSubSysChargerTableSize	1.3.6.1.4.1.318.1.1.1.13.4.19.0:0	Long	Read Only
upsDiagSubSysDCCircuitBreakerTableSize	1.3.6.1.4.1.318.1.1.1.13.4.11.0:0	Long	Read Only
upsDiagSubSysDisplayInterfaceCardTableSize	1.3.6.1.4.1.318.1.1.1.13.4.9.0:0	Long	Read Only
upsDiagSubSysExternalPowerFrameBoardTableSize	1.3.6.1.4.1.318.1.1.1.13.4.17.0:0	Long	Read Only
upsDiagSubSysExternalSwitchGearTableSize	1.3.6.1.4.1.318.1.1.1.13.4.7.0:0	Long	Read Only
upsDiagSubSysFrameTableSize	1.3.6.1.4.1.318.1.1.1.13.4.1.0:0	Long	Read Only
upsDiagSubSysIntBypSwitchTableSize	1.3.6.1.4.1.318.1.1.1.13.4.3.0:0	Long	Read Only
upsDiagSubSysSystemPowerSupplyTableSize	1.3.6.1.4.1.318.1.1.1.13.4.13.0:0	Long	Read Only
upsDiagSubSysXRCommunicationCardTableSize	1.3.6.1.4.1.318.1.1.1.13.4.15.0:0	Long	Read Only

Groups: UPSDM3CNFG

Tag Name	Object ID	Data Type	Access
Config.dm3ConfigBattAmpHour	1.3.6.1.4.1.318.1.1.7.2.3.13.0:0	Long	Read/Write
Config.dm3ConfigBattDischargeAlarm	1.3.6.1.4.1.318.1.1.7.2.3.4.0:0	Long	Read/Write
Config.dm3ConfigBattDischargeThresh	1.3.6.1.4.1.318.1.1.7.2.3.3.0:0	Long	Read/Write
Config.dm3ConfigBattFloatVolt	1.3.6.1.4.1.318.1.1.7.2.3.1.0:0	Long	Read/Write
Config.dm3ConfigBattHighTempAlarm	1.3.6.1.4.1.318.1.1.7.2.3.10.0:0	Long	Read/Write
Config.dm3ConfigBattHighTempThresh	1.3.6.1.4.1.318.1.1.7.2.3.9.0:0	Long	Read/Write
Config.dm3ConfigBattHighVoltAlarm	1.3.6.1.4.1.318.1.1.7.2.3.6.0:0	Long	Read/Write
Config.dm3ConfigBattHighVoltThresh	1.3.6.1.4.1.318.1.1.7.2.3.5.0:0	Long	Read/Write
Config.dm3ConfigBattHwCurrentAlarm	1.3.6.1.4.1.318.1.1.7.2.3.18.0:0	Long	Read/Write
Config.dm3ConfigBattHwTempAlarm	1.3.6.1.4.1.318.1.1.7.2.3.19.0:0	Long	Read/Write
Config.dm3ConfigBattLowTempAlarm	1.3.6.1.4.1.318.1.1.7.2.3.12.0:0	Long	Read/Write
Config.dm3ConfigBattLowTempThresh	1.3.6.1.4.1.318.1.1.7.2.3.11.0:0	Long	Read/Write
Config.dm3ConfigBattLowVoltAlarm	1.3.6.1.4.1.318.1.1.7.2.3.8.0:0	Long	Read/Write
Config.dm3ConfigBattLowVoltThresh	1.3.6.1.4.1.318.1.1.7.2.3.7.0:0	Long	Read/Write
Config.dm3ConfigBattMaxRecharge	1.3.6.1.4.1.318.1.1.7.2.3.2.0:0	Long	Read/Write
Config.dm3ConfigBreakersTableSize	1.3.6.1.4.1.318.1.1.7.2.6.1.1.0:0	Long	Read Only
Config.dm3ConfigCompMethod	1.3.6.1.4.1.318.1.1.7.2.3.14.0:0	Long	Read/Write
Config.dm3ConfigCompTempCoeff	1.3.6.1.4.1.318.1.1.7.2.3.15.0:0	Long	Read/Write

Config.dm3ConfigConv1ofNAlarm	1.3.6.1.4.1.318.1.1.7.2.4.2.2.4.0:0	Long	Read/Write
Config.dm3ConfigConv2ofNAlarm	1.3.6.1.4.1.318.1.1.7.2.4.2.2.5.0:0	Long	Read/Write
Config.dm3ConfigConvConfigAlarm	1.3.6.1.4.1.318.1.1.7.2.4.2.2.3.0:0	Long	Read/Write
Config.dm3ConfigConvCurrLimitAlarm	1.3.6.1.4.1.318.1.1.7.2.4.2.2.8.0:0	Long	Read/Write
Config.dm3ConfigConvDiagAlarm	1.3.6.1.4.1.318.1.1.7.2.4.2.2.6.0:0	Long	Read/Write
Config.dm3ConfigConvFailAlarm	1.3.6.1.4.1.318.1.1.7.2.4.2.2.11.0:0	Long	Read/Write
Config.dm3ConfigConvFailComm	1.3.6.1.4.1.318.1.1.7.2.4.2.1.7.0:0	Long	Read/Write
Config.dm3ConfigConvFailMax	1.3.6.1.4.1.318.1.1.7.2.4.2.1.5.0:0	Long	Read/Write
Config.dm3ConfigConvFailMin	1.3.6.1.4.1.318.1.1.7.2.4.2.1.6.0:0	Long	Read/Write
Config.dm3ConfigConvFailSafe	1.3.6.1.4.1.318.1.1.7.2.4.2.1.3.0:0	Long	Read/Write
Config.dm3ConfigConvFanFailAlarm	1.3.6.1.4.1.318.1.1.7.2.4.2.2.10.0:0	Long	Read/Write
Config.dm3ConfigConvHighVoltAlarm	1.3.6.1.4.1.318.1.1.7.2.4.2.2.1.0:0	Long	Read/Write
Config.dm3ConfigConvHighVoltThresh	1.3.6.1.4.1.318.1.1.7.2.4.2.1.1.0:0	Long	Read/Write
Config.dm3ConfigConvHwVoltAlarm	1.3.6.1.4.1.318.1.1.7.2.4.2.2.12.0:0	Long	Read/Write
Config.dm3ConfigConvImbalanceAlarm	1.3.6.1.4.1.318.1.1.7.2.4.2.2.7.0:0	Long	Read/Write
Config.dm3ConfigConvLowVoltAlarm	1.3.6.1.4.1.318.1.1.7.2.4.2.2.2.0:0	Long	Read/Write
Config.dm3ConfigConvLowVoltThresh	1.3.6.1.4.1.318.1.1.7.2.4.2.1.2.0:0	Long	Read/Write
Config.dm3ConfigConvSetPoint	1.3.6.1.4.1.318.1.1.7.2.4.2.1.4.0:0	Long	Read/Write
Config.dm3ConfigConvStandbyAlarm	1.3.6.1.4.1.318.1.1.7.2.4.2.2.9.0:0	Long	Read/Write
Config.dm3ConfigFusesTableSize	1.3.6.1.4.1.318.1.1.7.2.6.2.1.0:0	Long	Read Only
Config.dm3ConfigHighKneeTemp	1.3.6.1.4.1.318.1.1.7.2.3.16.0:0	Long	Read/Write
Config.dm3ConfigInRlyTableSize	1.3.6.1.4.1.318.1.1.7.2.5.2.1.0:0	Long	Read Only
Config.dm3ConfigLowKneeTemp	1.3.6.1.4.1.318.1.1.7.2.3.17.0:0	Long	Read/Write
Config.dm3ConfigLVDTTableSize	1.3.6.1.4.1.318.1.1.7.2.2.1.0:0	Long	Read Only
Config.dm3ConfigOutRlyTableSize	1.3.6.1.4.1.318.1.1.7.2.5.1.1.0:0	Long	Read Only
Config.dm3ConfigRect1ofNAlarm	1.3.6.1.4.1.318.1.1.7.2.4.1.2.4.0:0	Long	Read/Write
Config.dm3ConfigRect2ofNAlarm	1.3.6.1.4.1.318.1.1.7.2.4.1.2.5.0:0	Long	Read/Write
Config.dm3ConfigRectConfigAlarm	1.3.6.1.4.1.318.1.1.7.2.4.1.2.3.0:0	Long	Read/Write
Config.dm3ConfigRectCurrLimitAlarm	1.3.6.1.4.1.318.1.1.7.2.4.1.2.8.0:0	Long	Read/Write
Config.dm3ConfigRectDiagAlarm	1.3.6.1.4.1.318.1.1.7.2.4.1.2.6.0:0	Long	Read/Write
Config.dm3ConfigRectFailAlarm	1.3.6.1.4.1.318.1.1.7.2.4.1.2.11.0:0	Long	Read/Write
Config.dm3ConfigRectFailComm	1.3.6.1.4.1.318.1.1.7.2.4.1.1.4.0:0	Long	Read/Write
Config.dm3ConfigRectFailSafe	1.3.6.1.4.1.318.1.1.7.2.4.1.1.3.0:0	Long	Read/Write
Config.dm3ConfigRectFanFailAlarm	1.3.6.1.4.1.318.1.1.7.2.4.1.2.10.0:0	Long	Read/Write
Config.dm3ConfigRectHighVoltAlarm	1.3.6.1.4.1.318.1.1.7.2.4.1.2.1.0:0	Long	Read/Write
Config.dm3ConfigRectHighVoltThresh	1.3.6.1.4.1.318.1.1.7.2.4.1.1.1.0:0	Long	Read/Write
Config.dm3ConfigRectHwVoltAlarm	1.3.6.1.4.1.318.1.1.7.2.4.1.2.12.0:0	Long	Read/Write
Config.dm3ConfigRectImbalanceAlarm	1.3.6.1.4.1.318.1.1.7.2.4.1.2.7.0:0	Long	Read/Write
Config.dm3ConfigRectLowVoltAlarm	1.3.6.1.4.1.318.1.1.7.2.4.1.2.2.0:0	Long	Read/Write
Config.dm3ConfigRectLowVoltThresh	1.3.6.1.4.1.318.1.1.7.2.4.1.1.2.0:0	Long	Read/Write
Config.dm3ConfigRectStandbyAlarm	1.3.6.1.4.1.318.1.1.7.2.4.1.2.9.0:0	Long	Read/Write
Config.dm3ConfigSysDescriptionTableSize	1.3.6.1.4.1.318.1.1.7.2.1.1.0:0	Long	Read Only
Config.dm3ConfigSysHardwareTempAlarm	1.3.6.1.4.1.318.1.1.7.2.1.7.0:0	Long	Read/Write
Config.dm3ConfigSysHighTempAlarm	1.3.6.1.4.1.318.1.1.7.2.1.4.0:0	Long	Read/Write
Config.dm3ConfigSysHighTempThresh	1.3.6.1.4.1.318.1.1.7.2.1.3.0:0	Long	Read/Write
Config.dm3ConfigSysLowTempAlarm	1.3.6.1.4.1.318.1.1.7.2.1.6.0:0	Long	Read/Write
Config.dm3ConfigSysLowTempThresh	1.3.6.1.4.1.318.1.1.7.2.1.5.0:0	Long	Read/Write
Config.dm3ConfigSysRemoteAccess	1.3.6.1.4.1.318.1.1.7.2.1.8.0:0	Long	Read/Write

Group: UPSDM3IDENT

Tag Name	Object ID	Data Type	Access
dm3IdentSysCntrlRev	1.3.6.1.4.1.318.1.1.7.1.1.4.0:0	Long	Read Only
dm3IdentSysDescriptionTableSize	1.3.6.1.4.1.318.1.1.7.1.1.1.0:0	Long	Read Only
dm3IdentSysFWVersion	1.3.6.1.4.1.318.1.1.7.1.1.5.0:0	Long	Read Only
dm3IdentSysModel	1.3.6.1.4.1.318.1.1.7.1.1.3.0:0	Long	Read Only

Group: UPSDM3STATUS

Tag Name	Object ID	Data Type	Access
Status.dm3StatusAlarmsTableSize	1.3.6.1.4.1.318.1.1.7.3.2.1.0:0	Long	Read Only
Status.dm3StatusBattCurrent	1.3.6.1.4.1.318.1.1.7.3.3.1.0:0	Long	Read Only
Status.dm3StatusBattCurrentSanity	1.3.6.1.4.1.318.1.1.7.3.3.3.0:0	Long	Read Only
Status.dm3StatusBattTemp	1.3.6.1.4.1.318.1.1.7.3.3.2.0:0	Long	Read Only
Status.dm3StatusBattTempSanity	1.3.6.1.4.1.318.1.1.7.3.3.4.0:0	Long	Read Only
Status.dm3StatusBreakersTableSize	1.3.6.1.4.1.318.1.1.7.3.8.1.1.0:0	Long	Read Only
Status.dm3StatusConvTableSize	1.3.6.1.4.1.318.1.1.7.3.6.2.1.0:0	Long	Read Only
Status.dm3StatusFusesTableSize	1.3.6.1.4.1.318.1.1.7.3.8.2.1.0:0	Long	Read Only
Status.dm3StatusInRlyTableSize	1.3.6.1.4.1.318.1.1.7.3.7.2.1.0:0	Long	Read Only
Status.dm3StatusLVDTTableSize	1.3.6.1.4.1.318.1.1.7.3.5.1.0:0	Long	Read Only
Status.dm3StatusOEMconvGain	1.3.6.1.4.1.318.1.1.7.3.4.4.0:0	Long	Read Only
Status.dm3StatusOEMconvOffset	1.3.6.1.4.1.318.1.1.7.3.4.3.0:0	Long	Read Only
Status.dm3StatusOEMrectGain	1.3.6.1.4.1.318.1.1.7.3.4.2.0:0	Long	Read Only
Status.dm3StatusOEMrectOffset	1.3.6.1.4.1.318.1.1.7.3.4.1.0:0	Long	Read Only
Status.dm3StatusOEMshuntGain	1.3.6.1.4.1.318.1.1.7.3.4.6.0:0	Long	Read Only
Status.dm3StatusOEMshuntOffset	1.3.6.1.4.1.318.1.1.7.3.4.5.0:0	Long	Read Only
Status.dm3StatusOutRlyTableSize	1.3.6.1.4.1.318.1.1.7.3.7.1.1.0:0	Long	Read Only
Status.dm3StatusRectTableSize	1.3.6.1.4.1.318.1.1.7.3.6.1.1.0:0	Long	Read Only
Status.dm3StatusSysAlarmState	1.3.6.1.4.1.318.1.1.7.3.1.6.0:0	Long	Read Only
Status.dm3StatusSysConvAvailable	1.3.6.1.4.1.318.1.1.7.3.6.2.4.0:0	Long	Read Only
Status.dm3StatusSysConvCurrent	1.3.6.1.4.1.318.1.1.7.3.6.2.7.0:0	Long	Read Only
Status.dm3StatusSysConvType	1.3.6.1.4.1.318.1.1.7.3.6.2.5.0:0	Long	Read Only
Status.dm3StatusSysConvVoltage	1.3.6.1.4.1.318.1.1.7.3.6.2.6.0:0	Long	Read Only
Status.dm3StatusSysConvVoltSanity	1.3.6.1.4.1.318.1.1.7.3.6.2.3.0:0	Long	Read Only
Status.dm3StatusSysRectAvailable	1.3.6.1.4.1.318.1.1.7.3.6.1.4.0:0	Long	Read Only
Status.dm3StatusSysRectCurrent	1.3.6.1.4.1.318.1.1.7.3.6.1.7.0:0	Long	Read Only
Status.dm3StatusSysRectType	1.3.6.1.4.1.318.1.1.7.3.6.1.5.0:0	Long	Read Only
Status.dm3StatusSysRectVoltage	1.3.6.1.4.1.318.1.1.7.3.6.1.6.0:0	Long	Read Only
Status.dm3StatusSysRectVoltSanity	1.3.6.1.4.1.318.1.1.7.3.6.1.3.0:0	Long	Read Only
Status.dm3StatusSysRemoteAccess	1.3.6.1.4.1.318.1.1.7.3.1.3.0:0	Long	Read Only
Status.dm3StatusSysSecurityLevel	1.3.6.1.4.1.318.1.1.7.3.1.4.0:0	Long	Read Only
Status.dm3StatusSysTempSanity	1.3.6.1.4.1.318.1.1.7.3.1.5.0:0	Long	Read Only
Status.dm3StatusSysTempUnits	1.3.6.1.4.1.318.1.1.7.3.1.7.0:0	Long	Read Only
Status.dm3StatusSystemStart	1.3.6.1.4.1.318.1.1.7.3.1.2.0:0	String	Read Only
Status.dm3StatusSystemTemp	1.3.6.1.4.1.318.1.1.7.3.1.1.0:0	Long	Read Only

Group: UPSEMS

Tag Name	Object ID	Data Type	Access
emsConfigCheckLogLight	1.3.6.1.4.1.318.1.1.10.3.6.2.0:0	Long	Read/Write
emsConfigName	1.3.6.1.4.1.318.1.1.10.3.6.1.0:0	String	Read/Write
emsIdentDATEOfManufacture	1.3.6.1.4.1.318.1.1.10.3.1.5.0:0	String	Read Only
emsIdentEMSName	1.3.6.1.4.1.318.1.1.10.3.1.1.0:0	String	Read Only
emsIdentFirmwareRev	1.3.6.1.4.1.318.1.1.10.3.1.3.0:0	String	Read Only
emsIdentHardwareRev	1.3.6.1.4.1.318.1.1.10.3.1.4.0:0	String	Read Only
emsIdentProductNumber	1.3.6.1.4.1.318.1.1.10.3.1.2.0:0	String	Read Only
emsIdentSerialNumber	1.3.6.1.4.1.318.1.1.10.3.1.6.0:0	String	Read Only
emsStatusAlarmDeviceCount	1.3.6.1.4.1.318.1.1.10.3.12.10.0:0	Long	Read Only
emsStatusAlinkAruDeviceCount	1.3.6.1.4.1.318.1.1.10.3.12.8.0:0	Long	Read Only
emsStatusAlinkProbeDeviceCount	1.3.6.1.4.1.318.1.1.10.3.12.9.0:0	Long	Read Only
emsStatusCheckLogLight	1.3.6.1.4.1.318.1.1.10.3.12.12.0:0	Long	Read Only
emsStatusCommStatus	1.3.6.1.4.1.318.1.1.10.3.12.2.0:0	Long	Read Only
emsStatusEMSName	1.3.6.1.4.1.318.1.1.10.3.12.1.0:0	String	Read Only
emsStatusInputContactCount	1.3.6.1.4.1.318.1.1.10.3.12.4.0:0	Long	Read Only

emsStatusOutletCount	1.3.6.1.4.1.318.1.1.10.3.12.6.0:0	Long	Read Only
emsStatusOutputRelayCount	1.3.6.1.4.1.318.1.1.10.3.12.5.0:0	Long	Read Only
emsStatusProbeCount	1.3.6.1.4.1.318.1.1.10.3.12.3.0:0	Long	Read Only
emsStatusSensorCount	1.3.6.1.4.1.318.1.1.10.3.12.7.0:0	Long	Read Only
emsStatusSysTempUnits	1.3.6.1.4.1.318.1.1.10.3.12.11.0:0	Long	Read Only

Group: UPSENV

Tag Name	Object ID	Data Type	Access
mUpsContactNumContacts	1.3.6.1.4.1.318.1.1.2.2.1.0:0	Long	Read Only
mUpsEnvironAmbientTemperature	1.3.6.1.4.1.318.1.1.2.1.1.0:0	DWord	Read Only
mUpsEnvironAmbientTemperature2	1.3.6.1.4.1.318.1.1.2.1.3.0:0	DWord	Read Only
mUpsEnvironRelativeHumidity	1.3.6.1.4.1.318.1.1.2.1.2.0:0	DWord	Read Only
mUpsEnvironRelativeHumidity2	1.3.6.1.4.1.318.1.1.2.1.4.0:0	DWord	Read Only

Group: UPSEXTENV

Tag Name	Object ID	Data Type	Access
emIdentFirmwareRevision	1.3.6.1.4.1.318.1.1.10.1.1.1.0:0	String	Read Only

Group: UPSEXTENVCFG

Tag Name	Object ID	Data Type	Access
Config.emConfigContactEnable_01	1.3.6.1.4.1.318.1.1.10.1.2.4.1.3:1	Long	Read/Write
Config.emConfigContactEnable_02	1.3.6.1.4.1.318.1.1.10.1.2.4.1.3:2	Long	Read/Write
Config.emConfigContactEnable_03	1.3.6.1.4.1.318.1.1.10.1.2.4.1.3:3	Long	Read/Write
Config.emConfigContactEnable_04	1.3.6.1.4.1.318.1.1.10.1.2.4.1.3:4	Long	Read/Write
Config.emConfigContactName_01	1.3.6.1.4.1.318.1.1.10.1.2.4.1.2:1	String	Read/Write
Config.emConfigContactName_02	1.3.6.1.4.1.318.1.1.10.1.2.4.1.2:2	String	Read/Write
Config.emConfigContactName_03	1.3.6.1.4.1.318.1.1.10.1.2.4.1.2:3	String	Read/Write
Config.emConfigContactName_04	1.3.6.1.4.1.318.1.1.10.1.2.4.1.2:4	String	Read/Write
Config.emConfigContactNumber_01	1.3.6.1.4.1.318.1.1.10.1.2.4.1.1:1	Long	Read Only
Config.emConfigContactNumber_02	1.3.6.1.4.1.318.1.1.10.1.2.4.1.1:2	Long	Read Only
Config.emConfigContactNumber_03	1.3.6.1.4.1.318.1.1.10.1.2.4.1.1:3	Long	Read Only
Config.emConfigContactNumber_04	1.3.6.1.4.1.318.1.1.10.1.2.4.1.1:4	Long	Read Only
Config.emConfigContactsNumContacts	1.3.6.1.4.1.318.1.1.10.1.2.3.0:0	Long	Read Only
Config.emConfigProbeHighHumidEnable_01	1.3.6.1.4.1.318.1.1.10.1.2.2.1.10:1	Long	Read/Write
Config.emConfigProbeHighHumidEnable_02	1.3.6.1.4.1.318.1.1.10.1.2.2.1.10:2	Long	Read/Write
Config.emConfigProbeHighHumidThreshold_01	1.3.6.1.4.1.318.1.1.10.1.2.2.1.6:1	Long	Read/Write
Config.emConfigProbeHighHumidThreshold_02	1.3.6.1.4.1.318.1.1.10.1.2.2.1.6:2	Long	Read/Write
Config.emConfigProbeHighTempEnable_01	1.3.6.1.4.1.318.1.1.10.1.2.2.1.8:1	Long	Read/Write
Config.emConfigProbeHighTempEnable_02	1.3.6.1.4.1.318.1.1.10.1.2.2.1.8:2	Long	Read/Write
Config.emConfigProbeHighTempThreshold_01	1.3.6.1.4.1.318.1.1.10.1.2.2.1.3:1	Long	Read/Write
Config.emConfigProbeHighTempThreshold_02	1.3.6.1.4.1.318.1.1.10.1.2.2.1.3:2	Long	Read/Write
Config.emConfigProbeLowHumidEnable_01	1.3.6.1.4.1.318.1.1.10.1.2.2.1.11:1	Long	Read/Write
Config.emConfigProbeLowHumidEnable_02	1.3.6.1.4.1.318.1.1.10.1.2.2.1.11:2	Long	Read/Write
Config.emConfigProbeLowHumidThreshold_01	1.3.6.1.4.1.318.1.1.10.1.2.2.1.7:1	Long	Read/Write
Config.emConfigProbeLowHumidThreshold_02	1.3.6.1.4.1.318.1.1.10.1.2.2.1.7:2	Long	Read/Write
Config.emConfigProbeLowTempEnable_01	1.3.6.1.4.1.318.1.1.10.1.2.2.1.9:1	Long	Read/Write
Config.emConfigProbeLowTempEnable_02	1.3.6.1.4.1.318.1.1.10.1.2.2.1.9:2	Long	Read/Write
Config.emConfigProbeLowTempThreshold_01	1.3.6.1.4.1.318.1.1.10.1.2.2.1.4:1	Long	Read/Write
Config.emConfigProbeLowTempThreshold_02	1.3.6.1.4.1.318.1.1.10.1.2.2.1.4:2	Long	Read/Write
Config.emConfigProbeName_01	1.3.6.1.4.1.318.1.1.10.1.2.2.1.2:1	String	Read/Write
Config.emConfigProbeName_02	1.3.6.1.4.1.318.1.1.10.1.2.2.1.2:2	String	Read/Write
Config.emConfigProbeNumber_01	1.3.6.1.4.1.318.1.1.10.1.2.2.1.1:1	Long	Read Only
Config.emConfigProbeNumber_02	1.3.6.1.4.1.318.1.1.10.1.2.2.1.1:2	Long	Read Only
Config.emConfigProbesNumProbes	1.3.6.1.4.1.318.1.1.10.1.2.1.0:0	Long	Read Only
Config.emConfigProbeTempUnits_01	1.3.6.1.4.1.318.1.1.10.1.2.2.1.5:1	Long	Read Only
Config.emConfigProbeTempUnits_02	1.3.6.1.4.1.318.1.1.10.1.2.2.1.5:2	Long	Read Only

Group: UPSEXTENVSTAT

Tag Name	Object ID	Data Type	Access
Status.emStatusCommStatus	1.3.6.1.4.1.318.1.1.10.1.3.1.0:0	Long	Read Only
Status.emStatusContactName_01	1.3.6.1.4.1.318.1.1.10.1.3.5.1.2:1	String	Read Only
Status.emStatusContactName_02	1.3.6.1.4.1.318.1.1.10.1.3.5.1.2:2	String	Read Only
Status.emStatusContactName_03	1.3.6.1.4.1.318.1.1.10.1.3.5.1.2:3	String	Read Only
Status.emStatusContactName_04	1.3.6.1.4.1.318.1.1.10.1.3.5.1.2:4	String	Read Only
Status.emStatusContactNumber_01	1.3.6.1.4.1.318.1.1.10.1.3.5.1.1:1	Long	Read Only
Status.emStatusContactNumber_02	1.3.6.1.4.1.318.1.1.10.1.3.5.1.1:2	Long	Read Only
Status.emStatusContactNumber_03	1.3.6.1.4.1.318.1.1.10.1.3.5.1.1:3	Long	Read Only
Status.emStatusContactNumber_04	1.3.6.1.4.1.318.1.1.10.1.3.5.1.1:4	Long	Read Only
Status.emStatusContactsNumContacts	1.3.6.1.4.1.318.1.1.10.1.3.4.0:0	Long	Read Only
Status.emStatusContactStatus_01	1.3.6.1.4.1.318.1.1.10.1.3.5.1.3:1	Long	Read Only
Status.emStatusContactStatus_02	1.3.6.1.4.1.318.1.1.10.1.3.5.1.3:2	Long	Read Only
Status.emStatusContactStatus_03	1.3.6.1.4.1.318.1.1.10.1.3.5.1.3:3	Long	Read Only
Status.emStatusContactStatus_04	1.3.6.1.4.1.318.1.1.10.1.3.5.1.3:4	Long	Read Only
Status.emStatusProbeCurrentHumid_01	1.3.6.1.4.1.318.1.1.10.1.3.3.1.6:1	Long	Read Only
Status.emStatusProbeCurrentHumid_02	1.3.6.1.4.1.318.1.1.10.1.3.3.1.6:2	Long	Read Only
Status.emStatusProbeCurrentTemp_01	1.3.6.1.4.1.318.1.1.10.1.3.3.1.4:1	Long	Read Only
Status.emStatusProbeCurrentTemp_02	1.3.6.1.4.1.318.1.1.10.1.3.3.1.4:2	Long	Read Only
Status.emStatusProbeHighHumidViolation_01	1.3.6.1.4.1.318.1.1.10.1.3.3.1.9:1	Long	Read Only
Status.emStatusProbeHighHumidViolation_02	1.3.6.1.4.1.318.1.1.10.1.3.3.1.9:2	Long	Read Only
Status.emStatusProbeHighTempViolation_01	1.3.6.1.4.1.318.1.1.10.1.3.3.1.7:1	Long	Read Only
Status.emStatusProbeHighTempViolation_02	1.3.6.1.4.1.318.1.1.10.1.3.3.1.7:2	Long	Read Only
Status.emStatusProbeLowHumidViolation_01	1.3.6.1.4.1.318.1.1.10.1.3.3.1.10:1	Long	Read Only
Status.emStatusProbeLowHumidViolation_02	1.3.6.1.4.1.318.1.1.10.1.3.3.1.10:2	Long	Read Only
Status.emStatusProbeLowTempViolation_01	1.3.6.1.4.1.318.1.1.10.1.3.3.1.8:1	Long	Read Only
Status.emStatusProbeLowTempViolation_02	1.3.6.1.4.1.318.1.1.10.1.3.3.1.8:2	Long	Read Only
Status.emStatusProbeName_01	1.3.6.1.4.1.318.1.1.10.1.3.3.1.2:1	String	Read Only
Status.emStatusProbeName_02	1.3.6.1.4.1.318.1.1.10.1.3.3.1.2:2	String	Read Only
Status.emStatusProbeNumber_01	1.3.6.1.4.1.318.1.1.10.1.3.3.1.1:1	Long	Read Only
Status.emStatusProbeNumber_02	1.3.6.1.4.1.318.1.1.10.1.3.3.1.1:2	Long	Read Only
Status.emStatusProbesNumProbes	1.3.6.1.4.1.318.1.1.10.1.3.2.0:0	Long	Read Only
Status.emStatusProbeStatus_01	1.3.6.1.4.1.318.1.1.10.1.3.3.1.3:1	Long	Read Only
Status.emStatusProbeStatus_02	1.3.6.1.4.1.318.1.1.10.1.3.3.1.3:2	Long	Read Only
Status.emStatusProbeTempUnits_01	1.3.6.1.4.1.318.1.1.10.1.3.3.1.5:1	Long	Read Only
Status.emStatusProbeTempUnits_02	1.3.6.1.4.1.318.1.1.10.1.3.3.1.5:2	Long	Read Only

Group: UPSIDENT

Tag Name	Object ID	Data Type	Access
upsAdvIdentDATEOfManufacture	1.3.6.1.4.1.318.1.1.1.1.2.2.0:0	String	Read Only
upsAdvIdentFirmwareRevision	1.3.6.1.4.1.318.1.1.1.1.2.1.0:0	String	Read Only
upsAdvIdentSerialNumber	1.3.6.1.4.1.318.1.1.1.1.2.3.0:0	String	Read Only
upsBasicIdentModel	1.3.6.1.4.1.318.1.1.1.1.1.0:0	String	Read Only
upsBasicIdentName	1.3.6.1.4.1.318.1.1.1.1.1.2.0:0	String	Read/Write

Group: UPSINPUT

Tag Name	Object ID	Data Type	Access
upsAdvInputFrequency	1.3.6.1.4.1.318.1.1.1.3.2.4.0:0	DWord	Read Only
upsAdvInputLineFailCause	1.3.6.1.4.1.318.1.1.1.3.2.5.0:0	Long	Read Only
upsAdvInputLineVoltage	1.3.6.1.4.1.318.1.1.1.3.2.1.0:0	DWord	Read Only
upsAdvInputMaxLineVoltage	1.3.6.1.4.1.318.1.1.1.3.2.2.0:0	DWord	Read Only
upsAdvInputMinLineVoltage	1.3.6.1.4.1.318.1.1.1.3.2.3.0:0	DWord	Read Only
upsBasicInputPhase	1.3.6.1.4.1.318.1.1.1.3.1.1.0:0	Long	Read Only

Group: UPSINTENV

Tag Name	Object ID	Data Type	Access
iemIdentHardwareRevision	1.3.6.1.4.1.318.1.1.10.2.1.1.0:0	String	Read Only

Group: UPSINTENVCFG

Tag Name	Object ID	Data Type	Access
Config.iemConfigContactEnable_01	1.3.6.1.4.1.318.1.1.10.2.2.4.1.3:1	Long	Read/Write
Config.iemConfigContactEnable_02	1.3.6.1.4.1.318.1.1.10.2.2.4.1.3:2	Long	Read/Write
Config.iemConfigContactName_01	1.3.6.1.4.1.318.1.1.10.2.2.4.1.2:1	String	Read/Write
Config.iemConfigContactName_02	1.3.6.1.4.1.318.1.1.10.2.2.4.1.2:2	String	Read/Write
Config.iemConfigContactNumber_01	1.3.6.1.4.1.318.1.1.10.2.2.4.1.1:1	Long	Read Only
Config.iemConfigContactNumber_02	1.3.6.1.4.1.318.1.1.10.2.2.4.1.1:2	Long	Read Only
Config.iemConfigContactsNumContacts	1.3.6.1.4.1.318.1.1.10.2.2.3.0:0	Long	Read Only
Config.iemConfigProbeHighHumidEnable_01	1.3.6.1.4.1.318.1.1.10.2.2.2.1.10:1	Long	Read/Write
Config.iemConfigProbeHighHumidThreshold_01	1.3.6.1.4.1.318.1.1.10.2.2.2.1.6:1	Long	Read/Write
Config.iemConfigProbeHighTempEnable_01	1.3.6.1.4.1.318.1.1.10.2.2.2.1.8:1	Long	Read/Write
Config.iemConfigProbeHighTempThreshold_01	1.3.6.1.4.1.318.1.1.10.2.2.2.1.3:1	Long	Read/Write
Config.iemConfigProbeLowHumidEnable_01	1.3.6.1.4.1.318.1.1.10.2.2.2.1.11:1	Long	Read/Write
Config.iemConfigProbeLowHumidThreshold_01	1.3.6.1.4.1.318.1.1.10.2.2.2.1.7:1	Long	Read/Write
Config.iemConfigProbeLowTempEnable_01	1.3.6.1.4.1.318.1.1.10.2.2.2.1.9:1	Long	Read/Write
Config.iemConfigProbeLowTempThreshold_01	1.3.6.1.4.1.318.1.1.10.2.2.2.1.4:1	Long	Read/Write
Config.iemConfigProbeName_01	1.3.6.1.4.1.318.1.1.10.2.2.2.1.2:1	String	Read/Write
Config.iemConfigProbeNumber_01	1.3.6.1.4.1.318.1.1.10.2.2.2.1.1:1	Long	Read Only
Config.iemConfigProbesNumProbes	1.3.6.1.4.1.318.1.1.10.2.2.1.0:0	Long	Read Only
Config.iemConfigProbeTempUnits_01	1.3.6.1.4.1.318.1.1.10.2.2.2.1.5:1	Long	Read Only

Group: UPSINTENVSTAT

Tag Name	Object ID	Data Type	Access
Status.iemStatusContactName_01	1.3.6.1.4.1.318.1.1.10.2.3.4.1.2:1	String	Read Only
Status.iemStatusContactName_02	1.3.6.1.4.1.318.1.1.10.2.3.4.1.2:2	String	Read Only
Status.iemStatusContactNumber_01	1.3.6.1.4.1.318.1.1.10.2.3.4.1.1:1	Long	Read Only
Status.iemStatusContactNumber_02	1.3.6.1.4.1.318.1.1.10.2.3.4.1.1:2	Long	Read Only
Status.iemStatusContactsNumContacts	1.3.6.1.4.1.318.1.1.10.2.3.3.0:0	Long	Read Only
Status.iemStatusContactStatus_01	1.3.6.1.4.1.318.1.1.10.2.3.4.1.3:1	Long	Read Only
Status.iemStatusContactStatus_02	1.3.6.1.4.1.318.1.1.10.2.3.4.1.3:2	Long	Read Only
Status.iemStatusProbeCurrentHumid_01	1.3.6.1.4.1.318.1.1.10.2.3.2.1.6:1	Long	Read Only
Status.iemStatusProbeCurrentTemp_01	1.3.6.1.4.1.318.1.1.10.2.3.2.1.4:1	Long	Read Only
Status.iemStatusProbeHighHumidViolation_01	1.3.6.1.4.1.318.1.1.10.2.3.2.1.9:1	Long	Read Only
Status.iemStatusProbeHighTempViolation_01	1.3.6.1.4.1.318.1.1.10.2.3.2.1.7:1	Long	Read Only
Status.iemStatusProbeLowHumidViolation_01	1.3.6.1.4.1.318.1.1.10.2.3.2.1.10:1	Long	Read Only
Status.iemStatusProbeLowTempViolation_01	1.3.6.1.4.1.318.1.1.10.2.3.2.1.8:1	Long	Read Only
Status.iemStatusProbeName_01	1.3.6.1.4.1.318.1.1.10.2.3.2.1.2:1	String	Read Only
Status.iemStatusProbeNumber_01	1.3.6.1.4.1.318.1.1.10.2.3.2.1.1:1	Long	Read Only
Status.iemStatusProbesNumProbes	1.3.6.1.4.1.318.1.1.10.2.3.1.0:0	Long	Read Only
Status.iemStatusProbeStatus_01	1.3.6.1.4.1.318.1.1.10.2.3.2.1.3:1	Long	Read Only
Status.iemStatusProbeTempUnits_01	1.3.6.1.4.1.318.1.1.10.2.3.2.1.5:1	Long	Read Only
Status.iemStatusRelayName_01	1.3.6.1.4.1.318.1.1.10.2.3.7.1.2:1	String	Read Only
Status.iemStatusRelayNumber_01	1.3.6.1.4.1.318.1.1.10.2.3.7.1.1:1	Long	Read Only
Status.iemStatusRelaysNumRelays	1.3.6.1.4.1.318.1.1.10.2.3.6.0:0	Long	Read Only
Status.iemStatusRelayStatus_01	1.3.6.1.4.1.318.1.1.10.2.3.7.1.3:1	Long	Read Only

Group: UPSOUTLETGRP

Tag Name	Object ID	Data Type	Access
upsOutletGroupConfigIndex_01	1.3.6.1.4.1.318.1.1.12.2.2.1.1:1	Long	Read Only
upsOutletGroupConfigName_01	1.3.6.1.4.1.318.1.1.12.2.2.1.2:1	String	Read/Write

upsOutletGroupConfigPowerOffDelay_01	1.3.6.1.4.1.318.1.1.1.12.2.2.1.4:1	Long	Read/Write
upsOutletGroupConfigPowerOnDelay_01	1.3.6.1.4.1.318.1.1.1.12.2.2.1.3:1	Long	Read/Write
upsOutletGroupConfigRebootDuration_01	1.3.6.1.4.1.318.1.1.1.12.2.2.1.5:1	Long	Read/Write
upsOutletGroupConfigTableSize	1.3.6.1.4.1.318.1.1.1.12.2.1.0:0	Long	Read Only
upsOutletGroupControlCommand_01	1.3.6.1.4.1.318.1.1.1.12.3.2.1.3:1	Long	Read/Write
upsOutletGroupControlIndex_01	1.3.6.1.4.1.318.1.1.1.12.3.2.1.1:1	Long	Read Only
upsOutletGroupControlName_01	1.3.6.1.4.1.318.1.1.1.12.3.2.1.2:1	String	Read Only
upsOutletGroupControlTableSize	1.3.6.1.4.1.318.1.1.1.12.3.1.0:0	Long	Read Only
upsOutletGroupStatusCommandPending_01	1.3.6.1.4.1.318.1.1.1.12.1.2.1.4:1	Long	Read Only
upsOutletGroupStatusGroupState_01	1.3.6.1.4.1.318.1.1.1.12.1.2.1.3:1	Long	Read Only
upsOutletGroupStatusIndex_01	1.3.6.1.4.1.318.1.1.1.12.1.2.1.1:1	Long	Read Only
upsOutletGroupStatusName_01	1.3.6.1.4.1.318.1.1.1.12.1.2.1.2:1	String	Read Only
upsOutletGroupStatusTableSize	1.3.6.1.4.1.318.1.1.1.12.1.1.0:0	Long	Read Only

Group: UPSOUTPUT

Tag Name	Object ID	Data Type	Access
upsAdvOutputCurrent	1.3.6.1.4.1.318.1.1.1.4.2.4.0:0	DWord	Read Only
upsAdvOutputFrequency	1.3.6.1.4.1.318.1.1.1.4.2.2.0:0	DWord	Read Only
upsAdvOutputLoad	1.3.6.1.4.1.318.1.1.1.4.2.3.0:0	DWord	Read Only
upsAdvOutputVoltage	1.3.6.1.4.1.318.1.1.1.4.2.1.0:0	DWord	Read Only
upsBasicOutputPhase	1.3.6.1.4.1.318.1.1.1.4.1.2.0:0	Long	Read Only
upsBasicOutputStatus	1.3.6.1.4.1.318.1.1.1.4.1.1.0:0	Long	Read Only

Group: UPSPHASE

Tag Name	Object ID	Data Type	Access
upsPhaseNumInputs	1.3.6.1.4.1.318.1.1.1.9.2.1.0:0	Long	Read Only
upsPhaseNumOutputs	1.3.6.1.4.1.318.1.1.1.9.3.1.0:0	Long	Read Only
upsPhaseResetMaxMinValues	1.3.6.1.4.1.318.1.1.1.9.1.1.0:0	Long	Read/Write

Group: UPSPNS

Tag Name	Object ID	Data Type	Access
powerNetSoftwareOid	1.3.6.1.4.1.318.1.2.1.1.2.0:0	String	Read Only
powerNetSoftwareSystemDescription	1.3.6.1.4.1.318.1.2.1.1.1.0:0	String	Read Only
powerNetSoftwareSystemUpTime	1.3.6.1.4.1.318.1.2.1.1.3.0:0	DWord	Read Only
powerNetSoftwareTableSize	1.3.6.1.4.1.318.1.2.1.2.1.0:0	Long	Read Only

Group: UPSRAU

Tag Name	Object ID	Data Type	Access
rARUStatusAruDeviceCount	1.3.6.1.4.1.318.1.1.14.3.1.0:0	Long	Read Only
rARUStatusSysTempUnits	1.3.6.1.4.1.318.1.1.14.3.2.0:0	Long	Read Only

Group: UPSRPDU

Tag Name	Object ID	Data Type	Access
rPDUIdentDATEOfManufacture	1.3.6.1.4.1.318.1.1.12.1.4.0:0	String	Read Only
rPDUIdentFirmwareRev	1.3.6.1.4.1.318.1.1.12.1.3.0:0	String	Read Only
rPDUIdentHardwareRev	1.3.6.1.4.1.318.1.1.12.1.2.0:0	String	Read Only
rPDUIdentModelNumber	1.3.6.1.4.1.318.1.1.12.1.5.0:0	String	Read Only
rPDUIdentName	1.3.6.1.4.1.318.1.1.12.1.1.0:0	String	Read/Write
rPDUIdentSerialNumber	1.3.6.1.4.1.318.1.1.12.1.6.0:0	String	Read Only
rPDUloadDevMaxPhaseLoad	1.3.6.1.4.1.318.1.1.12.2.1.1.0:0	Long	Read Only
rPDUloadDevNumPhases	1.3.6.1.4.1.318.1.1.12.2.1.2.0:0	Long	Read Only
rPDUOutletDevColdstartDelay	1.3.6.1.4.1.318.1.1.12.3.1.2.0:0	Long	Read/Write
rPDUOutletDevCommand	1.3.6.1.4.1.318.1.1.12.3.1.1.0:0	Long	Read/Write
rPDUOutletDevNumCntrlOutlets	1.3.6.1.4.1.318.1.1.12.3.1.3.0:0	Long	Read Only
rPDUPowerSupply1Status	1.3.6.1.4.1.318.1.1.12.4.1.1.0:0	Long	Read Only
rPDUPowerSupply2Status	1.3.6.1.4.1.318.1.1.12.4.1.2.0:0	Long	Read Only

Group: UPSSCG

Tag Name	Object ID	Data Type	Access
.upsSCGActiveMembershipStatus	1.3.6.1.4.1.318.1.1.1.10.1.2.0:0	Long	Read/Write
.upsSCGMembershipGroupNumber	1.3.6.1.4.1.318.1.1.1.10.1.1.0:0	Long	Read/Write
.upsSCGMultiCastIP	1.3.6.1.4.1.318.1.1.1.10.1.5.0:0	String	Read/Write
.upsSCGNumOfGroupMembers	1.3.6.1.4.1.318.1.1.1.10.2.1.0:0	Long	Read Only
.upsSCGPowerSynchronizationDelayTime	1.3.6.1.4.1.318.1.1.1.10.1.3.0:0	Long	Read/Write
.upsSCGReturnBatteryCapacityOffset	1.3.6.1.4.1.318.1.1.1.10.1.4.0:0	Long	Read/Write

Group: UPSSPDU

Tag Name	Object ID	Data Type	Access
sPDUIdentDATEOfManufacture	1.3.6.1.4.1.318.1.1.4.1.3.0:0	String	Read Only
sPDUIdentFirmwareRev	1.3.6.1.4.1.318.1.1.4.1.2.0:0	String	Read Only
sPDUIdentHardwareRev	1.3.6.1.4.1.318.1.1.4.1.1.0:0	String	Read Only
sPDUIdentModelNumber	1.3.6.1.4.1.318.1.1.4.1.4.0:0	String	Read Only
sPDUIdentMSPTableSize	1.3.6.1.4.1.318.1.1.6.1.1.0:0	Long	Read Only
sPDUIdentSerialNumber	1.3.6.1.4.1.318.1.1.4.1.5.0:0	String	Read Only
sPDUIdentVMTableSize	1.3.6.1.4.1.318.1.1.5.1.1.0:0	Long	Read Only
sPDUMasterConfigMSPTableSize	1.3.6.1.4.1.318.1.1.6.3.1.0:0	Long	Read Only
sPDUMasterConfigPDUName	1.3.6.1.4.1.318.1.1.4.3.3.0:0	String	Read/Write
sPDUMasterConfigPowerOn	1.3.6.1.4.1.318.1.1.4.3.1.0:0	Long	Read/Write
sPDUMasterConfigReboot	1.3.6.1.4.1.318.1.1.4.3.2.0:0	Long	Read/Write
sPDUMasterConfigVMTableSize	1.3.6.1.4.1.318.1.1.5.3.1.0:0	Long	Read Only
sPDUMasterControlMSPTableSize	1.3.6.1.4.1.318.1.1.6.2.1.0:0	Long	Read Only
sPDUMasterControlSwitch	1.3.6.1.4.1.318.1.1.4.2.1.0:0	Long	Read/Write
sPDUMasterControlVMTableSize	1.3.6.1.4.1.318.1.1.5.2.1.0:0	Long	Read Only
sPDUMasterPending	1.3.6.1.4.1.318.1.1.4.2.3.0:0	String	Read Only
sPDUMasterState	1.3.6.1.4.1.318.1.1.4.2.2.0:0	String	Read Only
sPDUMasterStatusMSPTableSize	1.3.6.1.4.1.318.1.1.6.4.1.0:0	Long	Read Only
sPDUMasterStatusVMTableSize	1.3.6.1.4.1.318.1.1.5.4.1.0:0	Long	Read Only
sPDUOutletConfigTableSize	1.3.6.1.4.1.318.1.1.4.5.1.0:0	Long	Read Only
sPDUOutletControlTableSize	1.3.6.1.4.1.318.1.1.4.4.1.0:0	Long	Read Only

Group: UPSSTATE

Tag Name	Object ID	Data Type	Access
upsAdvStateAbnormalConditions	1.3.6.1.4.1.318.1.1.1.11.2.1.0:0	String	Read Only
upsAdvStateDP300ESpecificFaults	1.3.6.1.4.1.318.1.1.1.11.2.3.0:0	String	Read Only
upsAdvStateSymmetra3PhaseSpecificFaults	1.3.6.1.4.1.318.1.1.1.11.2.2.0:0	String	Read Only
upsBasicStateOutputState	1.3.6.1.4.1.318.1.1.1.11.1.1.0:0	String	Read Only

Group: UPSTEST

Tag Name	Object ID	Data Type	Access
upsAdvTestCalibrationDATE	1.3.6.1.4.1.318.1.1.1.7.2.7.0:0	String	Read Only
upsAdvTestCalibrationResults	1.3.6.1.4.1.318.1.1.1.7.2.6.0:0	Long	Read Only
upsAdvTestDiagnostics	1.3.6.1.4.1.318.1.1.1.7.2.2.0:0	Long	Read/Write
upsAdvTestDiagnosticSchedule	1.3.6.1.4.1.318.1.1.1.7.2.1.0:0	Long	Read/Write
upsAdvTestDiagnosticsResults	1.3.6.1.4.1.318.1.1.1.7.2.3.0:0	Long	Read Only
upsAdvTestLastDiagnosticsDATE	1.3.6.1.4.1.318.1.1.1.7.2.4.0:0	String	Read Only
upsAdvTestRuntimeCalibration	1.3.6.1.4.1.318.1.1.1.7.2.5.0:0	Long	Read/Write

Group: UPSTRAPCFG

Tag Name	Object ID	Data Type	Access
Config.acceptThisReceiver_01	1.3.6.1.4.1.318.2.1.2.1.5:1	Long	Read/Write
Config.acceptThisReceiver_02	1.3.6.1.4.1.318.2.1.2.1.5:2	Long	Read/Write
Config.acceptThisReceiver_03	1.3.6.1.4.1.318.2.1.2.1.5:3	Long	Read/Write

Config.acceptThisReceiver_04	1.3.6.1.4.1.318.2.1.2.1.5:4	Long	Read/Write
Config.communityString_01	1.3.6.1.4.1.318.2.1.2.1.3:1	String	Read/Write
Config.communityString_02	1.3.6.1.4.1.318.2.1.2.1.3:2	String	Read/Write
Config.communityString_03	1.3.6.1.4.1.318.2.1.2.1.3:3	String	Read/Write
Config.communityString_04	1.3.6.1.4.1.318.2.1.2.1.3:4	String	Read/Write
Config.mconfigBOOTPEEnabled	1.3.6.1.4.1.318.2.1.3.0:0	Long	Read Only
Config.mconfigClockDate	1.3.6.1.4.1.318.2.1.6.1.0:0	String	Read/Write
Config.mconfigClockTime	1.3.6.1.4.1.318.2.1.6.2.0:0	String	Read/Write
Config.mconfigNumTrapReceivers	1.3.6.1.4.1.318.2.1.1.0:0	Long	Read Only
Config.mconfigTFTPServerIP	1.3.6.1.4.1.318.2.1.4.0:0	String	Read/Write
Config.mcontrolRestartAgent	1.3.6.1.4.1.318.2.2.1.0:0	Long	Read/Write
Config.mfiletransferConfigFTPServerAddress	1.3.6.1.4.1.318.2.4.2.3.1.0:0	String	Read/Write
Config.mfiletransferConfigFTPServerPassword	1.3.6.1.4.1.318.2.4.2.3.3.0:0	String	Read/Write
Config.mfiletransferConfigFTPServerUser	1.3.6.1.4.1.318.2.4.2.3.2.0:0	String	Read/Write
Config.mfiletransferConfigSettingsFilename	1.3.6.1.4.1.318.2.4.2.1.1.0:0	String	Read/Write
Config.mfiletransferConfigTFTPServerAddress	1.3.6.1.4.1.318.2.4.2.2.1.0:0	String	Read/Write
Config.mfiletransferControlInitiateFileTransfer	1.3.6.1.4.1.318.2.4.3.1.0:0	Long	Read/Write
Config.mfiletransferStatusLastTransferResult	1.3.6.1.4.1.318.2.4.1.1.0:0	Long	Read Only
Config.newCodeAuthentViaTFTP	1.3.6.1.4.1.318.2.1.5.0:0	Long	Read Only
Config.receiverAddr_01	1.3.6.1.4.1.318.2.1.2.1.2:1	String	Read/Write
Config.receiverAddr_02	1.3.6.1.4.1.318.2.1.2.1.2:2	String	Read/Write
Config.receiverAddr_03	1.3.6.1.4.1.318.2.1.2.1.2:3	String	Read/Write
Config.receiverAddr_04	1.3.6.1.4.1.318.2.1.2.1.2:4	String	Read/Write
Config.receiveTrapType_01	1.3.6.1.4.1.318.2.1.2.1.6:1	Long	Read/Write
Config.receiveTrapType_02	1.3.6.1.4.1.318.2.1.2.1.6:2	Long	Read/Write
Config.receiveTrapType_03	1.3.6.1.4.1.318.2.1.2.1.6:3	Long	Read/Write
Config.receiveTrapType_04	1.3.6.1.4.1.318.2.1.2.1.6:4	Long	Read/Write
Config.severity_01	1.3.6.1.4.1.318.2.1.2.1.4:1	Long	Read Only
Config.severity_02	1.3.6.1.4.1.318.2.1.2.1.4:2	Long	Read Only
Config.severity_03	1.3.6.1.4.1.318.2.1.2.1.4:3	Long	Read Only
Config.severity_04	1.3.6.1.4.1.318.2.1.2.1.4:4	Long	Read Only

Trap Messages

An SNMP agent within an SNMP-enabled device can send trap messages in order to report serious events to a management control system. Any system with an IP address can be configured to receive trap messages. Trap messages may be sent to up to four management systems.

When the Bulletin 1609 UPS model is selected, the following Object IDs can be used in order to set the IP address of the management control systems that are to receive the trap messages.

1.3.6.1.4.1.318.2.1.2.1.2:1
 1.3.6.1.4.1.318.2.1.2.1.2:2
 1.3.6.1.4.1.318.2.1.2.1.2:3
 1.3.6.1.4.1.318.2.1.2.1.2:4

Traps Created During Automatic Tag Generation

During automatic tag database generation, the driver generates four of the most used trap Object IDs. For more information, refer to the table below.

Object ID	Description
1.3.6.1.2.1.11:TV	This is created under "SystemTraps" group.
1.3.6.1.4.1.318.2.3.3.0:TV	Since these are generated by the Bulletin 1609 model devices, they are created under the "UPSTraps" group.
1.3.6.1.4.1.318.2.3.10.0:TV	
1.3.6.1.4.1.318.2.3.3.0:TV	

Note: The Allen-Bradley Bulletin 1609 driver supports a total of 10 trap tags per device.

Manually Setting Up Trap Tags

For information on setting up trap tags manually, refer to the instructions below.

- To start, ensure that the SNMP agent is prepared to send trap messages to the host where the Allen-Bradley Bulletin 1609 driver is running. For example, if the Host ID is 192.x.y.z, the SNMP agent must be configured to send trap messages to 192.x.y.x.
- If using the Bulletin 1609 UPS model, the following Object IDs can be used to set the IP address of the management control system:

1.3.6.1.4.1.318.2.1.2.1.2:1
 1.3.6.1.4.1.318.2.1.2.1.2:2
 1.3.6.1.4.1.318.2.1.2.1.2:3
 1.3.6.1.4.1.318.2.1.2.1.2:4
- Next, add the desired trap tags to the server project. The format is *1.3.6.x.x.x.x.x.x.x*.

See Also: [Automatic Tag Database Generation](#)

Error Descriptions

The following error/warning messages may be generated. Click on the link for a description of the message.

Address Validation

[Missing address](#)

[Device address '<address>' contains a syntax error](#)

[Address '<address>' is out of range for the specified device or register](#)

[Device address '<address>' is not supported by model '<model name>'](#)

[Data Type '<type>' is not valid for device address '<address>'](#)

[Device address '<address>' is Read Only](#)

Device Status Messages

[Device '<device name>' is not responding](#)

[Unable to write to '<address>' on device '<device name>'](#)

Communication Messages

[Winsock Initialization Failed \(OS Error=n\)](#)

[Winsock 1.1 or higher must be installed](#)

Device Specific Messages

[Failed to get response from device '<device>' for block tag '<tag>'](#)

[Failed to get response from device '<device>' for tag '<tag>'](#)

[Failed to send request for address '<address>' in device '<device>'](#)

[Failed to send request for block tag '<tag>' in device '<device>'](#)

[The address '<address>' is configured as Read Only in device '<device>'](#)

[The request size or the returned value for Object ID '<ID>' in device '<device>' is too large](#)

[The returned/write value for block ID '<ID>' in device '<device>' is too large](#)

[The value written is not allowed at address '<address>' in device '<device>'](#)

[UPS returned 'general error' for '<address>' in device '<device>'](#)

[UPS returned 'no such name' error on block tag '<tag>' in device '<device>'. Deactivating block tag <tag>](#)

[UPS returned 'no such name' error on '<tag>' in device '<device>'. Deactivating '<tag>'](#)

[UPS returned unknown error for block tag '<tag>' in device '<device>'. Error number = '<number>'](#)

[UPS returned unknown error for '<address>' in device '<device>'. Error number = '<number>'](#)

Automatic Tag Database Generation Messages

[Unable to generate a tag database for device <device name>](#)

Address Validation

The following error/warning messages may be generated. Click on the link for a description of the message.

Address Validation

[Missing address](#)

[Device address '<address>' contains a syntax error](#)

[Address '<address>' is out of range for the specified device or register](#)

[Device address '<address>' is not supported by model '<model name>'](#)

[Data Type '<type>' is not valid for device address '<address>'](#)

[Device address '<address>' is Read Only](#)

Missing address

Error Type:

Warning

Possible Cause:

A tag address that has been specified statically has no length.

Solution:

Re-enter the address in the client application.

Device address '<address>' contains a syntax error

Error Type:

Warning

Possible Cause:

A tag address that has been specified statically contains one or more invalid characters.

Solution:

Re-enter the address in the client application.

Address '<address>' is out of range for the specified device or register

Error Type:

Warning

Possible Cause:

A tag address that has been specified statically references a location that is beyond the range of supported locations for the device.

Solution:

Verify that the address is correct; if it is not, re-enter it in the client application.

Device address '<address>' is not supported by model '<model name>'

Error Type:

Warning

Possible Cause:

A tag address that has been specified statically references a location that is valid for the communications protocol but not supported by the target device.

Solution:

1. Verify that the address is correct; if it is not, re-enter it in the client application.
2. Verify that the selected model name for the device is correct.

Data Type '<type>' is not valid for device address '<address>'

Error Type:

Warning

Possible Cause:

A tag address that has been specified statically has been assigned an invalid data type.

Solution:

Modify the requested data type in the client application.

Device address '<address>' is Read Only

Error Type:

Warning

Possible Cause:

A tag address that has been specified statically has a requested access mode that is not compatible with what the device supports for that address.

Solution:

Change the access mode in the client application.

Device Status Messages

The following error/warning messages may be generated. Click on the link for a description of the message.

Device Status Messages

[Device '<device name>' is not responding](#)

Unable to write to '<address>' on device '<device name>'

Device '<device name>' is not responding

Error Type:

Serious

Possible Cause:

1. The serial connection between the device and the Host PC is broken.
2. The communication parameters for the serial connection are incorrect.
3. The named device may have been assigned an incorrect Network ID.

Solution:

1. Verify the cabling between the PC and the device.
2. Verify that the specified communication parameters match those of the device.
3. Verify that the Network ID given to the named device matches that of the actual device.

Unable to write to '<address>' on device '<device name>'

Error Type:

Serious

Possible Cause:

1. The serial connection between the device and the Host PC is broken.
2. The communication parameters for the serial connection are incorrect.
3. The named device may have been assigned an incorrect Network ID.

Solution:

1. Verify the cabling between the PC and the device.
2. Verify that the specified communication parameters match those of the device.
3. Verify that the Network ID given to the named device matches that of the actual device.

Communication Messages

The following error/warning messages may be generated. Click on the link for a description of the message.

Communication Messages

[Winsock Initialization Failed \(OS Error=n\)
Winsock V1.1 or Higher Must Be Installed](#)

Winsock Initialization Failed (OS Error = n)

Error Type:

Fatal

Possible Cause:

The underlying network subsystem is not ready for network communication.

Solution:

Wait a few seconds and then restart the driver.

Winsock v1.1 or higher must be installed to use the Allen-Bradley Ethernet Device Driver

Error Type:

Fatal

Possible Cause:

The version number of the Winsock DLL found on the system is less than 1.1.

Solution:

Upgrade Winsock to version 1.1 or higher.

Device Specific Messages

The following error/warning messages may be generated. Click on the link for a description of the message.

Device Specific Messages

Failed to get response from device '<device>' for block tag '<tag>'

Failed to get response from device '<device>' for tag '<tag>'

Failed to send request for address '<address>' in device '<device>'

Failed to send request for block tag '<tag>' in device '<device>'

The address '<address>' is configured as Read Only in device '<device>'

The request size or the returned value for Object ID '<ID>' in device '<device>' is too large

The returned/write value for block ID '<ID>' in device '<device>' is too large

The value written is not allowed at address '<address>' in device '<device>'

UPS returned 'general error' for '<address>' in device '<device>'

UPS returned 'no such name' error on block tag '<tag>' in device '<device>'. Deactivating block tag '<tag>'

UPS returned 'no such name' error on '<tag>' in device '<device>'. Deactivating '<tag>'

UPS returned unknown error for block tag '<tag>' in device '<device>'. Error number = '<number>'

UPS returned unknown error for '<address>' in device '<device>'. Error number = '<number>'

Failed to get response from device '<device>' for block tag '<tag>'

Error Type:

Warning

Possible Cause:

1. The device was too busy processing the previous request.
2. The device might have lost the connection.

Solution:

1. The driver will automatically retry the request if the driver is set that way, and the retry may fix the problem.
2. Check the connection and connection settings.

Failed to get response from device '<device>' for tag '<tag>'

Error Type:

Warning

Possible Cause:

1. The device was too busy processing the previous request.
2. The device might have lost the connection.

Solution:

1. The driver will automatically retry the request if the driver is set that way, and the retry may fix the problem.
2. Check the connection and connection settings.

Failed to send request for address '<address>' in device '<device>'

Error Type:

Warning

Possible Cause:

The socket connection probably was not established.

Solution:

Check connection settings.

Failed to send request for block tag '<tag>' in device '<device>'

Error Type:

Warning

Possible Cause:

The socket connection probably was not established.

Solution:

Check connection settings.

The address '<address>' is configured as Read Only in device '<device>'

Error Type:

Warning

Possible Cause:

The object is configured as a Read Only item in the device even though the object is Read/Write.

Solution:

Request that the administrator change the object access type to Read/Write.

The request size or the returned value for Object ID '<ID>' in device '<device>' is too large. Try changing request size

Error Type:

Warning

Possible Cause:

The value to be returned or attempted to be written was larger than what the SNMP protocol/driver supports.

Solution:

Change the request size. If writing a string value, try a smaller size value. The driver supports a maximum of 255 characters.

The returned/ write value for block ID '<ID>' in device '<device>' is too large. Maximum block size allowed is '<size>'

Error Type:

Warning

Possible Cause:

The value to be returned or written was larger than what the SNMP protocol/driver supports.

Solution:

1. For a write value, try a smaller size value.
2. For a read value, the driver probably won't support the tag. This is because the maximum length of read values supported is 255 characters.

The value written is not allowed at address '<address>' in device '<device>'

Error Type:

Warning

Possible Cause:

The attempted write value is probably out of range.

Solution:

Check the device manual for appropriate values that can be written to this address.

UPS returned 'general error' for '<address>' in device '<device>'

Error Type:

Warning

Possible Cause:

Part of the packet may have been lost during the transaction which resulted in the device not reading (rejecting) the packet.

Solution:

1. The driver will automatically retry the request if the driver is set that way, and the retry may fix the problem.
2. Check both the connection and the connection settings.

The UPS returned 'no such name' error on block tag '<tag>' in device '<device>'. Deactivating block tag '<tag>'

Error Type:

Warning

Possible Cause:

The device does not have any information on the requested block address.

Solution:

The driver will automatically deactivate the block tag.

The UPS returned 'no such name' error on tag '<tag>' in device '<device>'. Deactivating tag '<tag>'

Error Type:

Warning

Possible Cause:

The device does not have any information on the requested address.

Solution:

The driver will automatically deactivate the tag.

The UPS returned unknown error for block tag '<tag>' in device '<device>'. Error number = '<number>'

Error Type:

Warning

Possible Cause:

The device returned an error that is not listed in SNMP protocol.

Solution:

Check the connection settings.

UPS returned unknown error for '<address>' in device '<device>'. Error number = '<number>'

Error Type:

Warning

Possible Cause:

The device returned an error that is not listed in SNMP protocol.

Solution:

Check the connection settings.

Automatic Tag Database Generation Messages

The following error/warning messages may be generated. Click on the link for a description of the message.

Automatic Tag Database Generation Messages[Unable to generate a tag database for device <device name>](#)

Unable to generate a tag database for device <device name>

Error Type:

Warning

Possible Cause:

Memory required for database generation could not be allocated. The process is aborted.

Solution:

Close unused applications and/or increase the amount of virtual memory and try again.

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