# **MGate 5118 Series**

## 1-port CAN-J1939 to Modbus/PROFINET/EtherNet/IP gateways



#### **Features and Benefits**

- Converts J1939 to Modbus, PROFINET, or EtherNet/IP
- · Supports Modbus RTU/ASCII/TCP master/client and slave/server
- Supports EtherNet/IP Adapter
- Supports PROFINET IO device
- Supports J1939 protocol
- · Effortless configuration via web-based wizard
- · Built-in Ethernet cascading for easy wiring
- · Embedded traffic monitoring/diagnostic information for easy troubleshooting
- · microSD card for configuration backup/duplication and event logs
- · Status monitoring and fault protection for easy maintenance
- · CAN bus and serial port with 2 kV isolation protection
- -40 to 75°C wide operating temperature models available
- · Security features based on IEC 62443

#### Certifications



#### Introduction

The MGate 5118 industrial protocol gateways support the SAE J1939 protocol, which is based on CAN bus (Controller Area Network). SAE J1939 is used to implement communication and diagnostics among vehicle components, diesel engine generators, and compression engines, and is suitable for the heavy-duty truck industry and backup power systems. It is now common to use an engine control unit (ECU) to control these kinds of devices, and more and more applications are using PLCs for process automation to monitor the status of J1939 devices connected behind the ECU.

The MGate 5118 gateways support the conversion of J1939 data to Modbus RTU/ASCII/TCP, EtherNet/IP, or PROFINET protocols to support most PLC applications. Devices that support the J1939 protocol can be monitored and controlled by PLCs and SCADA systems that use the Modbus RTU/ASCII/TCP, EtherNet/IP, and PROFINET protocols. With the MGate 5118, you can use the same gateway in a variety of PLC environments.

#### **Key-in-Free J1939 Command**

The J1939 protocol is designed to retrieve a wide range of data from CAN-J1939 devices. To eliminate the need to key in all J1939 commands into the gateway by hand, MGate 5118 gateways can auto detect the output commands used by the CAN device.

With a single click in the web console, all of the output commands from your CAN device will be detected by the gateway automatically. The commands will be displayed in the web console's command list, and then can be further modified by the user if needed. The MGate 5118 gateways make it much easier for users to connect PLCs with CAN devices.

#### **A Variety of Maintenance Functions**

The MGate 5118 gateways support a web console for easy configuration and maintenance, and the built-in traffic monitor function monitors J1939 protocol traffic, allowing users to monitor the status of connected CAN devices, including error count, packet count, and bus-offline. The traffic monitor function can also be used to troubleshoot CAN devices. The diagnostics tool helps users to check CAN device settings and indicates CAN device availability by reading the J1939 network address. In addition, the MGate 5118 gateways have a built-in Live List function for when two or more J1939 devices are connected to the same CAN bus. This function shows the PGN and address of packets transmitted from each device, giving users the ability to gage the loading of the CAN bus.

To detect loose cables, the MGate 5118 gateways support status monitoring and fault protection functions. The status monitoring function notifies a PLC when the cable between the gateway and CAN device is loose. In addition, the fault protection function executes actions predefined by the user when the cable between the gateway and PLC is loose.



# **Specifications**

#### Ethernet Interface

10/100BaseT(X) Ports (RJ45 connector)	2 Auto MDI/MDI-X connection
Magnetic Isolation Protection	1.5 kV (built-in)
Ethernet Software Features	
Industrial Protocols	Modbus TCP Client (Master), Modbus TCP Server (Slave), PROFINET IO Device, EtherNet/IP Scanner, EtherNet/IP Adapter
Configuration Options	Web Console (HTTP/HTTPS), Device Search Utility (DSU), Telnet Console
Management	ARP, DHCP Client, DNS, HTTP, HTTPS, SMTP, SNMP Trap, SNMPv1/v2c/v3, TCP/IP, Telnet, SSH, UDP, NTP Client
МІВ	RFC1213, RFC1317
Time Management	NTP Client
Serial Interface	
Console Port	RS-232 (TxD, RxD, GND), 8-pin RJ45 (115200, n, 8, 1)
No. of Ports	1
Connector	DB9 male
Serial Standards	RS-232/422/485
Baudrate	50 bps to 921.6 kbps
Data Bits	7, 8
Parity	None, Even, Odd, Space, Mark
Stop Bits	1,2
Flow Control	RTS Toggle (RS-232 only), RTS/CTS
Pull High/Low Resistor for RS-485	1 kilo-ohm, 150 kilo-ohms
Terminator for RS-485	120 ohms
Isolation	2 kV
Serial Signals	
RS-232	TxD, RxD, RTS, CTS, DTR, DSR, DCD, GND
RS-422	Tx+, Tx-, Rx+, Rx-, GND
RS-485-2w	Data+, Data-, GND
RS-485-4w	Tx+, Tx-, Rx+, Rx-, GND
Serial Software Features	
Configuration Options	Serial Console
Industrial Protocols	J1939, Modbus RTU/ASCII Master, Modbus RTU/ASCII Slave



Modbus RTU/ASCII	
Mode	Master, Slave
Functions Supported	1, 2, 3, 4, 5, 6, 15, 16, 23
Max. No. of Commands	128
Modbus TCP	
Mode	Client (Master), Server (Slave)
Functions Supported	1, 2, 3, 4, 5, 6, 15, 16, 23
Max. No. of Client Connections	16
Max. No. of Server Connections	32
Max. No. of Commands	128
PROFINET	
Mode	IO Device
Max. No. of IO Controller Connections	1 (for read/write)
Input Data Size	512 bytes
Output Data Size	512 bytes
EtherNet/IP	
Mode	Scanner, Adapter
CIP Objects Supported	Identity, Message Router, Assembly, Connection Manager, TCP/IP interface, Ethernet link, Port
Max. No. of Scanner Connections	1 (for read-only), 1 (for read/write)
Max. No. of Adapter Connections	4
Input Data Size	496 bytes
Output Data Size	496 bytes
CAN Interface	
Industrial Protocols	J1939
No. of Ports	1
Connector	Spring-type Euroblock terminal
Baudrate	250 kbps, 500 kbps
Terminator	120 ohms
Isolation	2 kV (built-in)
J1939	
Max. No. of Commands	256
Input Data Size	2048 bytes
Output Data Size	2048 bytes
Memory	

microSD Slot



Up to 32 GB (SD 2.0 compatible)

input Votiage12 to 48 VDCinput Curront46 m A 12 VDCPower Connectorpoing-type Euroblock terminalRelays	Power Parameters	
Pewer Connector     Spring-type Euroblock terminal       Relays     Relative Connector Rating     Relative Connector Rating Rating Rating Rating Rating     Relative Connector Rating	Input Voltage	12 to 48 VDC
Relays     Feative load: 2 A 8 30 VDC       Physical Characteristics     Heading       Housing     Metal       Prescience     S83 105 x 134 mm (1.8 x 4.13 x 5.28 in)       Prescience     S83 (1.30 ls)       Prescience     S83 (1.30 ls)       Furiormental Limits     S83 (1.30 ls)       Protormental Limits     S93 (1.30 ls)       Storage Temperature (package included)     Ads 50% (non-condensing)       Antient Relative Humidity     S0 50% (non-condensing)       Storage Temperature (package included)     EN 60006-2/-64       EM     Closep-2/-64       EM     S0 50% (non-condensing)       Storage Temperature (package included)     EN 61000-6-2/-64       EM     Closep-2/-64       EM     S0 5000-4-2/-54 Size (MAINT 51 KW) (Signal: 10 Vm)       Storage Temperature (package included)     EC 61000-4-2/-64       EM     Closep-2-26 Size (Size 10 VMEZ to 10 MHZ to 10 Vm)       Storage Temperature (package included)     EC 61000-4-2/-64       EM     Closep-2-27       Exerctions     EC 61000-4-2/-64       Fice fillow - 4-20 Size (Size House - 24)     EC 61000-4-2/-64       St	Input Current	416 mA @ 12 VDC
Conduct Current Rating     Resistive load: 2 A 9 30 VDC       Physical Characteristics     Metal       Reasing     Metal       IP Rating     IP 30       Dimensions     Sta 105 x 134 mm (1.8 x 4.13 x 5.28 in)       Weight     Sta 20 (1.00 in)       Environmental Limits     Sta 51 18-10 to 80° (22 to 140°F)       Oregating Temperature     40 to 85°C (-40 to 167°F)       Storage Temperature (package included)     -40 to 85°C (-40 to 167°F)       Ambient Relative Humidity     -40 to 85°C (-40 to 167°F)       Storage Temperature (package included)     -40 to 85°C (-40 to 167°F)       Storage Temperature (package included)     -40 to 85°C (-40 to 167°F)       Storage Temperature (package included)     -40 to 85°C (-40 to 167°F)       Storage Temperature (package included)     -60 to 85°C (-40 to 167°F)       Storage Temperature (package included)     E0 5000 -42 ESD: Contact: 81VA Air: 15 VV       Storage Temperature (package included)     EC 61000 -42 ESD: Contact: 81VA Air: 15 VV       Foreful     EC 61000 -42 ESD: Contact: 81VA Air: 15 VV       Foreful     EC 61000 -42 ESD: Contact: 81VA Air: 15 VV       Foreful     EC 61000 -42 ESD: Contact: 81VA Air: 15 VV       Foreful     E	Power Connector	Spring-type Euroblock terminal
Physical Characteristics     Metal       Housing     Metal       Parating     P30       Dimensions     45.8 x 105 x 134 mm (1.8 x 4.13 x 5.28 in)       Weight     500 (3.0 lo)       Environmental Limits     Gatas 5118: 0 to 60°C (22 to 140°F)       Operating Temperature (package included)     400 to 85°C (440 to 185°F)       Storage Temperature (package included)     400 to 85°C (440 to 185°F)       Ambient Relative Humidity     500 50°C (42 to 140°F)       Storage Temperature (package included)     400 to 85°C (440 to 185°F)       Storage Temperature (package included)     400 to 85°C (440 to 185°F)       Storage Temperature (package included)     400 to 85°C (440 to 185°F)       Storage Temperature (package included)     400 to 85°C (440 to 185°F)       Storage Temperature (package included)     400 to 85°C (440 to 185°F)       Storage Temperature (package included)     100 to 85°C (440 to 185°F)       Storage Temperature (package included)     100 to 85°C (440 to 185°F)       Storage Temperature (package included)     100 to 85°C (440 to 185°F)       Storage Temperature (package included)     100 to 85°C (440 to 185°F)       Storage Temperature (package included)     100 to 85°C (440 to 185°F)  <	Relays	
HatingMataIP RatingP0Dimensions458.105.134 nm (1.8 x 4.13 x 5.28 in)WeightSeg (1.30 in)Environmental LimitsSeg (1.30 in)Operating Temperature (package included)-40 to 85° (.40 to 185°F)Storage Temperature (package included)-40 to 85° (.40 to 185°F)Ambient Relative Humidity-50 sobs (non-condensing)Storage Temperature (package included)160 sobs (.40 to 185°F)Storage Temperature (package included)-40 to 85° (.40 to 185°F)Ambient Relative Humidity50 sobs (non-condensing)Storage Temperature (package included)160 sobs (.20 to 101°C) 2.20 to 100°C)Storage Temperature (package included)160 sobs (.20 to 101°C) 2.20 to 100°C)Storage Temperature (package included)160 sobs (.20 to 101°C) 2.20 to 100°C)Storage Temperature (package included)160 sobs (.20 to 101°C) 2.20 to 100°C)Storage Temperature (package included)160 sobs (.20 to 101°C) 2.20 to 100°C)Storage Temperature (package included)160 sobs (.20 to 101°C) 2.20 to 100°C)Storage Temperature (package included)160 sobs (.20 to 100°C)Storage Temperature (package	Contact Current Rating	Resistive load: 2 A @ 30 VDC
iP Rating     IP80       Dimensions     45.8 x 105 x 134 mm (1.8 x 4.13 x 5.28 in)       Weight     699 g (1.30 ib)       Environmental Limits     500 g (1.30 ib)       Operating Temperature     Made 5118: 0 to 60°C (32 to 140°F) Made 5118: 1*: -40 to 75°C (-40 to 185°F)       Storage Temperature (nackage included)     40 to 85°C (-40 to 185°F)       Ambient Relative Humidity     5 to 95% (non-condensing)       Storage Temperature (nackage included)     EN 60900-1, UL 61010-2-201       Storage Temperature (nackage included)     EN 60900-1, UL 61010-2-201       Storage Temperature (nackage included)     EN 60900-4, UL 61010-2-201       Storage Temperature (nackage included)     EN 60900-4, UL 61010-2-201       Storage Temperature (nackage included)     EN 6000-6-2/6-4       Storage Temperature (nackage included)     EN 6000-6-2/6-4       EM     EN 6000-4-2 ESIC Contract: B W: Air 15 MV       Storage Temperature (nackage included)     EN 6000-4-2 ESIC Contract: B W: Air 15 MV       EO 6000-4-2 ESIC Contract: B W: Air 15 MV     ESIG 6000-4-2 ESIC Contract: B W: Air 15 MV       EO 6000-4-2 ESIC Contract: B W: Air 15 MV     ESIG 6000-4-4 ESIC (ONC) ASI MIE to 16 Hz: 10 V/m       EO 6000-4-2 ESIC Contract: B W: Air 15 MV     ESIG 6000-4-4 ESIC (ONC) ASI MIE to 16 H	Physical Characteristics	
Dimensions46.8 x 105 x 134 mm (1.8 x 4.13 x 5.28 im)Dimensions46.8 x 105 x 134 mm (1.8 x 4.13 x 5.28 im)Weight689 g (1.30 lb)Environmental LimitsOperating TemperatureMadate 5118.0 to 60°C (32 to 140°F) Madate 5118-1*-40 to 75°C (40 to 165°F)Storage Temperature (package included)40 to 85°C (-40 to 185°F)Ambient Rolative Humidity5 to 95% (non-condensing)Storage Temperature (package included)5 to 95% (non-condensing)Standards and CortificationsESafetyEN 60950-1, UL 61010-2-201EMCEN 60950-4, UL 61010-2-201EMCEN 61000-4-22 ESD: Contact: 8 W: Air 15 KV iEC6 61000-4-2 ESD: Contact: 8 W: Air 15 KV iEC6 61000-4-2 ESD: Contact: 8 W: Air 15 KV 	Housing	Metal
Weight     589 g (1.30 lb)       Environmental Limits     Image: Status of the status of th	IP Rating	IP30
Environmental Limits       Operating Temperature     MGate 5118: 1: 0 to 60°C (22 to 140°F) MGate 5118: 1: 40 to 75°C (-40 to 167°F)       Storage Temperature (package included)     -40 to 85°C (-40 to 185°F)       Anbient Relative Humidity     50 95% (non-condensing)       Storage Temperature (package included)     -60 to 85°C (-40 to 185°F)       Anbient Relative Humidity     50 95% (non-condensing)       Storage Temperature (package included)     No 85°C (-40 to 185°F)       Storage Temperature (package included)     -60 to 85°C (-40 to 185°F)       Storage Temperature (package included)     50 95% (non-condensing)       Storage Temperature (package included)     No 85°C (-40 to 185°F)       Storage Temperature (package included)     No 85°C (-40 to 185°F)       Storage Temperature (package included)     No 85°C (-40 to 185°F)       Storage Temperature (package included)     No 85°C (-40 to 185°F)       Storage Temperature (package included)     No 85°C (-40 to 185°F)       Storage Temperature (package included)     No 85°C (-40 to 185°F)       Storage Temperature (package included)     Storage Temperature (package included)       Storage Temperature (package included)     Storage Temperature (package included)       Storage Storage Storage (package included)     Stora	Dimensions	45.8 x 105 x 134 mm (1.8 x 4.13 x 5.28 in)
Operating TemperatureMGate 5118: 0 to 60°C (52 to 140°F) MGate 5118-T: -40 to 75°C (-40 to 167°F)Storage Temperature (package included)-40 to 85°C (-40 to 185°F)Ambient Relative Humidity50 95% (non-condensing)Standards and CertificationsStandards and CertificationsEMCEN 60950-1, UL 61010-2-201EMGEN 61000-6-2/-6-4EMICISPR 32, FCC Part 15B Class AEMSCISOP0-4-2 ESD: Contact: 8 kV; Air: 15 kV IEC 61000-4-3 RS: 80 MHz to 1 GHz: 10 V/m IEC 61000-4-6 Surge: Power 2 kV; Signal: 2 kV 	Weight	589 g (1.30 lb)
MGate 5118-T: -40 to 75°C (-40 to 187°F)       Storage Temperature (package included)     -40 to 85°C (-40 to 185°F)       Ambient Relative Humidity     50 95% (non-condensing)       Standards and Certifications     EN 60950-1, UL 61010-2-201       Standards and Certifications     EN 60950-1, UL 61010-2-201       EMC     EN 60950-1, UL 61010-2-201       EMC     EN 60050-2-6-4       EMI     CISPR 32, FCC Part 15B Class A       EMS     EC 61000-4-2 ESD: Contact: 6 kV; Air: 15 kV IEC 61000-4-8 SN: 80 MHz to 1 GHz: 10 V/m; Signal: 10 V/m       EG 61000-4-3 SN: 80 MHz to 1 GHz: 10 V/m; Signal: 10 V/m     EC 61000-4-5 Surge: Power: 2 kV; Signal: 2 kV IEC 61000-4-6 SUrge: Power: 2 kV; Signal: 2 kV       Hazardous Locations     ATEX, Class I Division 2, IECEX       Freefail     IEC 60068-2-32       Stonk     IEC 60068-2-64       MTBF     IEC 60068-2-64       Time     72,733 hrs       Standards     Teordia SR32       Warranty Period     5aga	Environmental Limits	
Ambient Relative Humidity5 to 95% (non-condensing)Standards and CertificationsSafetyEN 60950-1, UL 61010-2-201EMCEN 61000-6-2/-6-4EMICISPR 32, FCC Part 15B Class AEMSEIC 61000-4-2 ESD: Contact: 8 kV; Air: 15 kV EIC 61000-4-3 ES: 80 MHz: 10 V/m EIC 61000-4-3 ES: 80 MHz: 10 V/m EIC 61000-4-3 ES: 50 GMHz: 10 V/m; Signal: 10 V/mHazardous LocationsATEX, Class I Division 2, IECEXFreefalIEC 60068-2-32ShockIEC 60068-2-64VibrationIEC 60068-2-64MBFIEC 60068-2-64Time727,873 hrsStandardsTelordia RS32WarantyIecondia RS32Waranty Period5 yaranYaranty Period5 yaranMarken Marken Mark	Operating Temperature	
Standards and Certifications     Safety   EN 60950-1, UL 61010-2-201     EMC   EN 61000-6-2/-64     EMI   CISPR 32, FCC Part 15B Class A     EMS   EC 61000-4-2 ESD: Contact: 8 k/; Air: 15 k/ EC 6 1000-4-3 FS: 80 MHz: 10 1/m EC 61000-4-3 FS: 80 MHz: 10 1/m EC 61000-4-3 FS: 80 MHz: 10 V/m; Signal: 2 k/ EC 61000-4-4 EFT: Power: 4 k/; Signal: 2 k/ EC 61000-4-6 SS: 150 kHz: 10 V/m; Signal: 10 V/m     Hazardous Locations   ATEX, Class I Division 2, IECEx     Freefal   EC 60068-2-32     Shock   IEC 60068-2-64     Vibration   IEC 60068-2-64     MTBF   IEC 80068-2-64     Time   727,873 hrs     Standards   Telcordia RS332     Vibration   Telcordia RS332     Warranty Period   Syars	Storage Temperature (package included)	-40 to 85°C (-40 to 185°F)
SafetyEN 60950-1, UL 61010-2-201ENGEN 61000-6-2/-6.4EMICISPR 32, FCC Part 15B Class AEMSEC 61000-4-2 ESD: Contact: 8 kV; Air: 15 kV EC 61000-4-3 ESI: 80 MHz to 1 GHz: 10 V/m EC 61000-4-4 EFT: Power: 4 kV; Signal: 4 kV EC 61000-4-5 Surge: Dower: 2 kV; Signal: 2 kV EC 61000-4-6 SURGE: DOWER: 10 V/m; Signal: 10 V/m EC 61000-4-6 SURGE: DOWER: 10 V/m; Signal: 10 V/m 	Ambient Relative Humidity	5 to 95% (non-condensing)
EMCEN 61000-6-2/-6-4EMICISPR 32, FCC Part 15B Class AEMSCISPR 32, FCC Part 15B Class AEMSLC 61000-4-2 ESD: Contact: 8 kV; Air: 15 kV IEC 61000-4-3 RS: 80 MHz to 1 GHz: 10 V/m IEC 61000-4-4 EFT: Power: 4 kV; Signai: 2 kV IEC 61000-4-6 CS: 150 kHz to 80 MHz: 10 V/m; Signai: 10 V/m IEC 61000-4-6 CS: 150 kHz to 80 MHz: 10 V/m; Signai: 10 V/m IEC 61000-4-6 CS: 150 kHz to 80 MHz: 10 V/m; Signai: 10 V/m IEC 61000-4-6 CS: 150 kHz to 80 MHz: 10 V/m; Signai: 10 V/m IEC 61000-4-6 CS: 150 kHz to 80 MHz: 10 V/m; Signai: 10 V/m IEC 61000-4-6 CS: 150 kHz to 80 MHz: 10 V/m; Signai: 10 V/m IEC 61000-4-6 CS: 150 kHz to 80 MHz: 10 V/m; Signai: 10 V/mHazardous LocationsATEX, Class I Division 2, IECExFreefalIEC 60068-2-32ShockIEC 60068-2-6, IEC 60068-2-64VibrationIEC 60068-2-6, IEC 60068-2-64MTBFTimeTime72,873 hrsStandardsTelcordia SR332VarrantyYernotyWarranty Period5 yars	Standards and Certifications	
EMICISPR 32, FCC Part 15B Class AEMSEC 61000-4-2 ESD: Contact: 8 KV; Air: 15 KV IEC 61000-4-3 RS: 80 MHz to 1 GHz: 10 V/m IEC 61000-4-4 EFT: Power: 2 KV; Signal: 14 VV IEC 61000-4-4 EFT: Power: 2 KV; Signal: 10 V/mHazardous LocationsATEX, Class I Division 2, IECExFreefallIEC 60068-2-32ShockIEC 60068-2-64VibrationIEC 60068-2-64MTEF120 Contact: 8 KV; Air: 10 V/mTime727,873 hrsStandardsIecordia SR332WarrantySignal: 10 V/mWarranty PeriodSignal: 10 V/m	Safety	EN 60950-1, UL 61010-2-201
ENS   IEC 61000-42 ESD: Contact: 8 kV; Air: 15 kV     IEC 61000-43 RS: 80 MHz to 1 GHz: 10 V/m   IEC 61000-44 EFT: Power. 4 kV; Signal: 4 kV     IEC 61000-46 CS: 150 kHz to 80 MHz: 10 V/m; Signal: 10 V/m   IEC 61000-46 CS: 150 kHz to 80 MHz: 10 V/m; Signal: 10 V/m     Hazardous Locations   ATEX, Class I Division 2, IECEx     Freefall   IEC 60068-2-32     Shock   IEC 60068-2-64     Vibration   IEC 60068-2-64     MTBF   Time     Time   727,873 hrs     Standards   Telcordia SR332     Warranty   Signas     Warranty Period   Signas	EMC	EN 61000-6-2/-6-4
EC 61000-43 RS: 80 MHz to 1 GHz: 10 V/m EC 61000-44 ET: Power: 4 kV; Signal: 2 kV EC 61000-45 Surge: Power: 2 kV; Signal: 2 kV EC 61000-45 Surge: Power: 2 kV; Signal: 10 V/m EC 61000-46 RFMFHazardous LocationsATEX, Class I Division 2, IECExFreefallEC 60068-2-32ShockIEC 60068-2-27VibrationIEC 60068-2-64VibrationEC 60068-2-64ShockIEC 60068-2-64MTBFImage: Comparison of the state of	EMI	CISPR 32, FCC Part 15B Class A
Freefal   EC 60068-2-32     Shock   EC 60068-2-64     Vibration   EC 60068-2-64     MTBF   Time     Time   727,873 hrs     Standards   Felorida SR332     Warranty   5 jars	EMS	IEC 61000-4-3 RS: 80 MHz to 1 GHz: 10 V/m IEC 61000-4-4 EFT: Power: 4 kV; Signal: 4 kV IEC 61000-4-5 Surge: Power: 2 kV; Signal: 2 kV IEC 61000-4-6 CS: 150 kHz to 80 MHz: 10 V/m; Signal: 10 V/m
Shock EC 60068-2-27   Vibration EC 60068-2-64   MTEF Time   Standards 72,737 hrs   Standards Telocrita SR332   Warranty Period 5 yars	Hazardous Locations	ATEX, Class I Division 2, IECEx
Vibration IEC 60068-2-64   MTBF 7000000000000000000000000000000000000	Freefall	IEC 60068-2-32
MTBF   Time 727,873 hrs   Standards Telcordia SR332   Warranty 5 yars	Shock	IEC 60068-2-27
Time 727,873 hrs   Standards Telcordia SR332   Warranty 5 years	Vibration	IEC 60068-2-6, IEC 60068-2-64
Standards Telcordia SR332   Warranty Standards   Warranty Period Syarsa	MTBF	
Warranty   Warranty Period   5 years	Time	727,873 hrs
Warranty Period 5 years	Standards	Telcordia SR332
	Warranty	
Details See www.moxa.com/warranty	Warranty Period	5 years
	Details	See www.moxa.com/warranty



#### Package Contents

Device	1 x MGate 5118 Series gateway
Installation Kit	1 x DIN-rail kit
Documentation	1 x quick installation guide 1 x warranty card

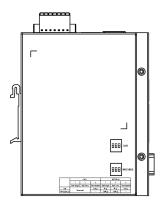
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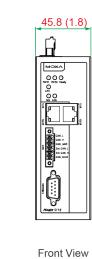
R5-222 Console <u>د بالمحاوم</u> دیکانیکاریکا

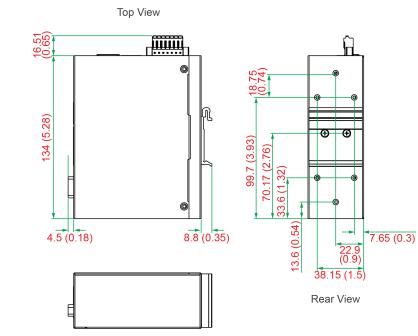
### **Dimensions**

#### Unit: mm (inch)



Side View





# **Ordering Information**

Model Name	Operating Temp.
MGate 5118	0 to 60°C
MGate 5118-T	-40 to 75°C

# **Accessories (sold separately)**

CBL-F9M9-150DB9 female to DB9 male serial cable, 1.5 mCBL-F9M9-20DB9 female to DB9 male serial cable, 20 cmCBL-RJ45F9-150RJ45 to DB9 female serial cable, 1.5 m	Cables	
	CBL-F9M9-150	DB9 female to DB9 male serial cable, 1.5 m
CBL-RJ45F9-150 RJ45 to DB9 female serial cable, 1.5 m	CBL-F9M9-20	DB9 female to DB9 male serial cable, 20 cm
	CBL-RJ45F9-150	RJ45 to DB9 female serial cable, 1.5 m
CBL-RJ45SF9-150 RJ45 to DB9 female serial shielded cable, 1.5 m	CBL-RJ45SF9-150	RJ45 to DB9 female serial shielded cable, 1.5 m
Connectors	Connectors	
Mini DB9F-to-TB DB9 female to terminal block connector	Mini DB9F-to-TB	DB9 female to terminal block connector

Wall-Mounting Kits



#### **Power Cords**

CBL-PJTB-10

Non-locking barrel plug to bare-wire cable

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