

CERTIFICATE

Certificate Id: 2PAA106564_Westermo_DDW-225_Wolverine

Category:	Ethernet Extender
Family:	Wolverine
Product Name:	DDW-225
Software Version:	EOS 4.5
Vendor:	Westermo
Certification Test Report:	3BSE064233
Certification reference:	System 800xA Version 4.x, 5.x
Restrictions:	-

The certificate states that the product specified above has passed the test towards the specified integration category. The certification has been performed by an official certification center, approved by the official steering body for the Industrial IT Certification.

The basis for the certificate is documented according to the Industrial IT Certification – Document Number 3BSE037356. The certificate is valid for the above mentioned Product versions until the next major release of the certified product or the certification reference system. With a major release of the certified product or the reference system, a new certification is required to keep the certificate current.

ABB AB
721 59 Vasteras, Sweden

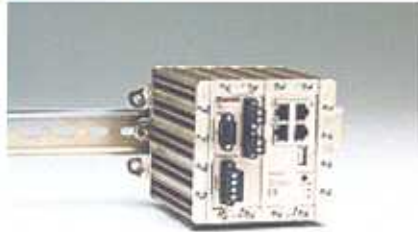
Date: 2010-11-01

... Representative for the official steering body for the Industrial IT Certification


Erik Oja

Wolverine DDW-225

Industrial^{IT} Certification



Ethernet Extender

The DDW-225 is an Industrial Ethernet SHDSL extender with support for redundant rings.

The redundant protocol can be used either on the SHDSL interface or on the Ethernet interface

The DDW-225 Ethernet Extender is the ideal solution for extending your Ethernet network over copper cables where in the past the only option would have been fibre.

Certification results and product details are summarized below:

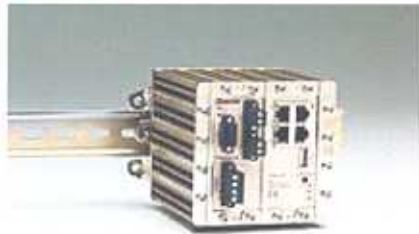
Product Overview	
Family	Wolverine
Ethernet	10 Mbit/s or 100 Mbit/s, manual or auto
Model	DIN-Rail or wall mounted
Console	Yes, TTL-Level, 115.2 kbit/s
USB	USB 2.0 host interface, up to 12Mbit/s
LED Indicators	ON, DC1, DC2, FRNT, ST1, ST2, Copper ports 1-4, DSL ports 1-2
Input Voltage	20-60 VDC
Power Consumption	65W at 5% throughput, 72W at 100%
Environment	IP40, -40 to 70°C, 5-95% humidity
Software	WeOS

Product Details in tested sample	
Software version	WeOS 4.5

Engineering	
Configuration and installation	Web server or terminal interface

Wolverine DDW-225

Industrial^{IT} Certification



The SHDSL transmission technology makes the DDW-225 perfect for the re-use of existing copper cable installations from older communications networks. The Ethernet Extender supports two SHDSL interfaces and can therefore be used to create a daisy chain or ring network. The DDW-225 uses the Westermo WeOS operating system. Using WeOS provides the DDW-225 with all the advanced switching and routing functionality supported by the Redfox. These functions include VLAN support, Layer 3 switching, Static Routing, Firewall functions, IGMP Snooping, VPN support and SNMP V3. The DDW-225 is well prepared for use in harsh industrial environments.

800xA Value Proposition Mapping

✓	Reducing Time to Decision and Action <ul style="list-style-type: none">- Easy to configure. Preconfigured for daisy chain application.- Detailed performance information can be retrieved from the web interface or CLI
✓	Engineering for Maximum Performance <ul style="list-style-type: none">- High level configuration available via management interface or CLI.
✓	Reducing Risk through High Integrity Automation <ul style="list-style-type: none">- Adapted for Industrial Ethernet- Well prepared for harsh industrial environments
✓	Integrating Information for Improved Visibility <ul style="list-style-type: none">- Diagnostic information available via web interface
✓	Investment Enhancement through Evolution <ul style="list-style-type: none">- Continuation of product development- Utilizes the same software, WeOS, as other Westermo product families