



DVW-W02W2-E2



DX-2300LN-WW



DX-3001H9



IFD9507



IFD8500



IFD6500

**Communication devices**

type	No. Ports	operating temperature	description
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**Wireless AP/WDS/Client/Gateway** Industrial IEEE 802.11 a/b/g/n

The IEEE 802.11n with better data rates by Multiple-input and Multiple-output (MIMO) technology. Supporting bandwidths from 20 MHz to 40 MHz doubling the speed of transmission performance.

- Compliant with IEEE 802.11n wireless technology capable of up to 450Mbps data rate
- Multiple Wireless modes: AP, Client CPE, WDS P-T-P, WDS P-T-MP, Repeater
- Supports 2 x ports RS-232/422/485-to-Ethernet Device Server
- Built-in 2 x ports MODBUS ASCII/RTU to MODBUS TCP Gateway
- Built-in 20MB buffer memory to avoid data loss when connection is down
- SNTP (*simple network time protocol*) for network clock synchronization
- USB console interface for easy connection with laptops
- Antennas: 3 x 2dBi omni-directional, RP-SMA(*male*) connector

DVW-W02W2-E2	2	-40 to +75°C	wireless AP/WDS/Client/Gateway
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**DX-series - Industrial cloud solutions** (*Industrial DIN-rail and wall mounting*)

- Data acquisition equipment connected to cloud servers.
- Supports a two-way data collection channel between the device and the cloud
- Supports MODBUS TCP and MODBUS RTU protocols
- Various peripheral interfaces include RS-485, RS-232 and LAN ports
- Built-in RTC and supports NTP time synchronization over a network
- Supports TCP/IP, UDP, ICMP, DHCP, HTTP, DNS, SSH, TCP and Modbus RTU protocols

**Industrial Ethernet cloud router** (*4-Port LAN FE + 1-Port WAN FE + 1 RS-232 + 1 R-S485*)

Wired industrial router with multiple application interfaces, including Ethernet, RS-232 and RS-485 serial interfaces. For mobile network interconnection, industrial automation, video surveillance. Safe, reliable data transmission, remote management/configuration, maintenance can be realized.

- Flexible connection method over WAN ports, e.g. static IP, DHCP client and more
- Customisable SMS alarm functions
- SD card for data backup and quick installation

DX-2300LN-WW	5	-20 to +70°C	cloud based Industrial VPN router
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**Industrial 3G cloud router** (*1-Port FE + 1-Port RS-232 + 1-Port RS-485*)

- UMTS/HSPA+ 3G technology, supports a wide range of bands
- Downward compatible with GSM / GPRS / EDGE 2G network

DX-2100RW-WW	1	-20 to +70°C	cloud based Industrial 3G router
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**Industrial 3G/WAN** (*1-Port FE + 1-Port RS-232 + 1-Port RS-485*)

As above but with following additions:

- Dual redundancy design : seamless switch between two 3G/VPN for continuous online

DX-3001H9	5	-20 to +70°C	cloud based industrial 3G/WAN router
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**Industrial FieldBus solution**

Industrial automation applications for converting communication signals of automation, servo and control devices. IFD communication modules are robust, high quality devices offering stable communication with in-built protection.

Excellent signal processing and isolation properties ensure correct, reliable data transmission.

type	from	to	description
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**Ethernet to serial Modbus RS-232/485 converters** (*full isolation*)

IFD9506	RS-232/485	MODBUS TCP	converter ( <i>inc. power supply</i> )
IFD9507	RS-232/485	EtherNet/IP	MODBUS converter ( <i>inc. power supply</i> )

Note: To configure IFD devices you need to install DC/Soft

**Serial to serial communication converters**

IFD6500	USB	RS-485	converter ( <i>no ext. power supply required</i> )
IFD6530	USB	RS-485	with 9V power supply ( <i>115.2k bps Max.</i> )
IFD8500	RS-232	RS-422/485	RS-232 isolated converter
IFD8520	RS-232	RS-422/485	isolated ( <i>addressable</i> ) converter
IFD8510	RS-485	RS-422/485	isolated repeater/amplifier ( <i>extends transmission to 1.2 km</i> )

Note: IFD65xx requires special driver to work with Windows OS, available on Delta website.

**CAN / Devicenet to serial converters**

IFD6503	USB	CAN	CAN to serial converter
IFD9502	RS-232/485	DeviceNet	Devicenet to serial converter
IFD9503	RS-232/485	CANopen	CANopen to serial converter