



DVW-W02W2-E2



DX-2300LN-WW



DX-3001H9



IFD9507



IFD8500



IFD6500

Communication devices

| type | No. Ports | operating temperature | description |
|--|-----------|-----------------------|--------------------------------|
| 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. | | | |
| <ul style="list-style-type: none"> 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 (<i>simple network time protocol</i>) for network clock synchronization USB console interface for easy connection with laptops Antennas: 3 x 2dBi omni-directional, RP-SMA(<i>male</i>) connector | | | |
| DVW-W02W2-E2 | 2 | -40 to +75°C | wireless AP/WDS/Client/Gateway |

| DX-series - Industrial cloud solutions (<i>Industrial DIN-rail and wall mounting</i>) | | | |
|--|--|--|--|
| <ul style="list-style-type: none"> 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 (<i>4-Port LAN FE + 1-Port WAN FE + 1 RS-232 + 1 R-S485</i>) | | | |
|---|---|--------------|-----------------------------------|
| 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. | | | |
| <ul style="list-style-type: none"> 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 |

| Industrial 3G cloud router (<i>1-Port FE + 1-Port RS-232 + 1-Port RS-485</i>) | | | |
|---|---|--------------|----------------------------------|
| <ul style="list-style-type: none"> 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 |

| Industrial 3G/WAN (<i>1-Port FE + 1-Port RS-232 + 1-Port RS-485</i>) | | | |
|---|---|--------------|--------------------------------------|
| <i>As above but with following additions:</i> | | | |
| <ul style="list-style-type: none"> 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 |

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 |
|--|------------|-------------|---|
| Ethernet to serial Modbus RS-232/485 converters (<i>full isolation</i>) | | | |
| 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 DCISoft

| 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 | | 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 |