

Automation for a Changing World

Delta Industrial Internet of Things (IIoT) Solutions

Industrial 3G Cloud Router DX-2100 Series

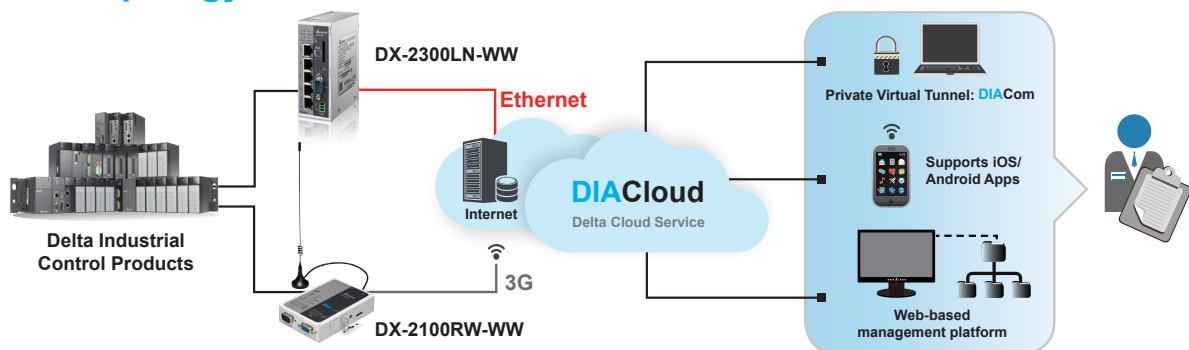
Industrial Ethernet Cloud Router DX-2300 Series



Delta's DIACloud Cloud Management Platform provides a secure and reliable complete network solution to achieve industrial equipment control and computing for high-end cloud applications. Users can connect to DIACloud through Apps, Web servers, or PC Windows and communicate with industrial automation products, such as PLCs, AC motor drives, AC servo systems, sensors and other equipment through a built-in secure tunnel between the DX-2100 and DX-2300 Series cloud routers and DIACloud.

- Data acquisition equipment connects to DIACloud servers
- Supports MODBUS TCP and MODBUS RTU/ASCII protocols
- HSPA+ data transmission rate up to 21.6 Mbps (downlink) / 5.76 Mbps (uplink)
- Various peripheral interfaces include RS-485, RS-232 and WAN/LAN ports
- Network data flow statistics
- Device and PLC interlocking
- Customized alarm conditions with email alerts

Network Topology



Ordering Information

Product		Port Combination			Interface		
Model Name	Operating Temperature	10/100 Base-T (X)	RS-232	RS-485	DI	DO (Relay)	Power Input
DX-2100RW-WW	-20°C to 70°C	1	1	1	---	---	1
DX-2300LN-WW	-20°C to 70°C	5	1	1	---	---	1

Specifications & Ordering Information

DX-2100 Series		DX-2300 Series				
DIACloud						
Cloud Management Platform / Mobile APPs						
Online Status Monitoring - Router status information - Real-time device connection - Device traffic statistics - iOS & Android APPs	On-Site Information Management - Field device information - Router location information - Customized device monitoring interface	Batch Device Configuration - Batch router configuration - Batch router upgrade - Asynchronous task mechanism, without intervention on the backstage	Report Management - Device history curve report - Alarm history report - Real-time view of device information			
TECHNOLOGY						
Standard Compliance - GSM/GPRS/EDGE/UMTS/HSPA+ - IEEE 802.3 10Base-T - IEEE 802.3u 100Base-T(X)						
3G GSM/GPRS/EDGE/UMTS/HSPA+	Antenna 1 2.5dBi omni-directional, SMA (male) connector, 3 meters cable with magnetic stand	---				
INTERFACES						
Fast Ethernet RJ-45 Port 1 10/100Base-T(X), auto MDI/MDI-X, auto negotiation SIM Interface 1 Mini SIM/UIM card pop-up slot Serial Communication Serial Ports 1 RS-232 DB9 interface (Male) 1 RS-485 DB9 interface (Female)	LEDs Device - PWR, SD, Ready RJ-45 - LAN Ethernet indicator 3G - Mobile network indicator, signal strength indicator RS-232 - Data sending indicator, data receiver indicator RS-485 - Data sending indicator, data receiver indicator	Fast Ethernet RJ-45 Ports - WAN: 1 10/100Base-T(X), auto MDI/MDI-X, auto negotiation - LAN: 4 10/100Base-T(X), auto MDI/MDI-X, auto negotiation Serial Communication Serial Ports 1 RS-232 DB9 interface (Male) 1 RS-485 3pin industrial terminal block	LEDs Device - PWR, SD, Ready RS-232 - RS-232 working indicator RS-485 - RS-485 working indicator			
MANAGEMENT						
Software - SSH, DNS, HTTP, TFTP, DHCP Server/Client, Telnet, Syslog, NTP, MODBUS TCP, MODBUS RTU/ASCII Network Security - Stateful Packet Inspection (SPI), Denial of Service (DoS) attacks, NAT, port triggering, port mapping, IP address filtering, MAC address filtering, URL filtering						
POWER REQUIREMENTS						
Input Voltage 12 to 48V_{DC}	Working Current Max. 1A	Power 12W	Input Voltage 9 to 40V_{DC}	Working Current Max. 0.53A	Power 5W	
PHYSICAL CHARACTERISTICS						
Housing - IP30 Dimensions 111 mm (H)x77 mm (W)x26 mm (D)		Weight 196g Installation - Wall-mount		Housing - IP30 Dimensions 145mm (H)x45 mm (W)x112.3 mm (D)		Weight 308g Installation - Industrial DIN-Rail or Wall-mount
ENVIRONMENTAL LIMITS						
Operating Temperature -20°C to 70°C (-4°F to 158°F)		Storage Temperature -40°C to 85°C (-40°F to 185°F)		Ambient Relative Humidity 5% to 95% (non-condensing)		
CERTIFICATIONS						
- Safety: UL 60950-1, EN 60950-1 - RF: EN 301 511, EN 301 908-1; FCC Part 22H, 24E, 27 - EMI: FCC 47 CFR Part 15 Subpart B Class A, EN 55022, EN 301 489-1/7/24 - EMS (EN 301 489-1/7/24, EN 55024): IEC 61000-4-2, IEC 61000-4-3, IEC 61000-4-4, IEC 61000-4-5, IEC 61000-4-6, IEC 61000-4-8			- Safety: UL 60950-1, EN 60950-1 - EMI: FCC 47 CFR Part 15 Subpart B Class A, EN 55022 - EMS (EN 55024): IEC 61000-4-2, IEC 61000-4-3, IEC 61000-4-4, IEC 61000-4-5, IEC 61000-4-6, IEC 61000-4-8			

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