

Automation for a Changing World

Delta Industrial Internet of Things (IIoT) Solutions

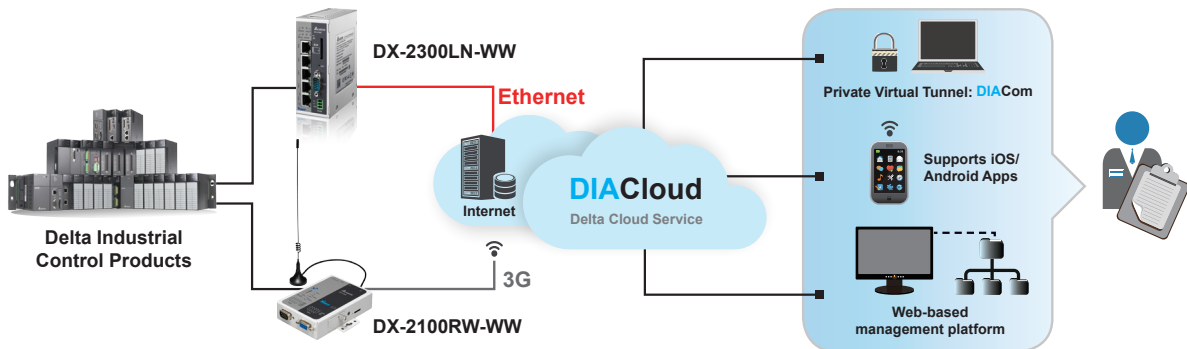
Industrial 3G Cloud Router DX-2100 Series
Industrial Ethernet Cloud Router DX-2300 Series



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 21.6Mbps (downlink) / 5.76Mbps (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 <ul style="list-style-type: none"> Router status information Real-time device connection Device traffic statistics iOS & Android APPs 	On-Site Information Management <ul style="list-style-type: none"> Field device information Router location information Customized device monitoring interface 	Batch Device Configuration <ul style="list-style-type: none"> Batch router configuration Batch router upgrade Asynchronous task mechanism, without intervention on the backstage 	Report Management <ul style="list-style-type: none"> Device history curve report Alarm history report Real-time view of device information
TECHNOLOGY			
Standard Compliance			
<ul style="list-style-type: none"> GSM/GPRS/EDGE/UMTS/HSPA+ 		<ul style="list-style-type: none"> IEEE 802.3 10Base-T 	<ul style="list-style-type: none"> IEEE 802.3u 100Base-T(X)
3G <ul style="list-style-type: none"> GSM/GPRS/EDGE/UMTS/HSPA+ 	Antenna <ul style="list-style-type: none"> 1 2.5dBi omni-directional, SMA (male) connector, 3 meters cable with magnetic stand 	---	
INTERFACES			
Fast Ethernet RJ-45 Port <ul style="list-style-type: none"> 1 10/100Base-T(X), auto MDI/MDI-X, auto negotiation 	LEDs Device <ul style="list-style-type: none"> PWR, SD, Ready 	Fast Ethernet RJ-45 Ports <ul style="list-style-type: none"> WAN: 1 10/100Base-T(X), auto MDI/MDI-X, auto negotiation LAN: 4 10/100Base-T(X), auto MDI/MDI-X, auto negotiation 	LEDs Device <ul style="list-style-type: none"> PWR, SD, Ready
SIM Interface <ul style="list-style-type: none"> 1 Mini SIM/UIM card pop-up slot 	RJ-45 <ul style="list-style-type: none"> LAN Ethernet indicator 	Serial Communication Serial Ports <ul style="list-style-type: none"> 1 RS-232 DB9 interface (Male) 1 RS-485 DB9 interface (Female) 	RS-232 <ul style="list-style-type: none"> RS-232 working indicator
	3G <ul style="list-style-type: none"> Mobile network indicator, signal strength indicator 		RS-485 <ul style="list-style-type: none"> RS-485 working indicator
	RS-232 <ul style="list-style-type: none"> Data sending indicator, data receiver indicator 		
	RS-485 <ul style="list-style-type: none"> Data sending indicator, data receiver indicator 		
MANAGEMENT			
Software			
<ul style="list-style-type: none"> SSH, DNS, HTTP, TFTP, DHCP Server/Client, Telnet, Syslog, NTP, MODBUS TCP, MODBUS RTU/ASCII 			
Network Security			
<ul style="list-style-type: none"> 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 <ul style="list-style-type: none"> 12 to 48V_{DC} 	Working Current <ul style="list-style-type: none"> Max. 1A 	Power <ul style="list-style-type: none"> 12W 	Input Voltage <ul style="list-style-type: none"> 9 to 40V_{DC}
			Working Current <ul style="list-style-type: none"> Max. 0.53A
			Power <ul style="list-style-type: none"> 5W
PHYSICAL CHARACTERISTICS			
Housing <ul style="list-style-type: none"> IP30 	Weight <ul style="list-style-type: none"> 196g 	Housing <ul style="list-style-type: none"> IP30 	Weight <ul style="list-style-type: none"> 308g
Dimensions <ul style="list-style-type: none"> 111mm (H)x77mm (W)x26mm (D) 	Installation <ul style="list-style-type: none"> Wall-mount 	Dimensions <ul style="list-style-type: none"> 145mm (H)x45mm (W)x112.3mm (D) 	Installation <ul style="list-style-type: none"> Industrial DIN-Rail or Wall-mount
ENVIRONMENTAL LIMITS			
Operating Temperature <ul style="list-style-type: none"> -20°C to 70°C (-4°F to 158°F) 		Storage Temperature <ul style="list-style-type: none"> -40°C to 85°C (-40°F to 185°F) 	Ambient Relative Humidity <ul style="list-style-type: none"> 5% to 95% (non-condensing)
CERTIFICATIONS			
<ul style="list-style-type: none"> 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 		<ul style="list-style-type: none"> 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 	