

Industrial 4G Router | DX-3021L9

Advanced connectivity for industrial remote control | 4G (LTE FDD/TDD) + WAN | Dual-SIM | RS-232/RS-485, 4 LAN | Modbus TCP/RTU, Mitsubishi MC, Siemens TCP | DIACloud VPN

Article:	DX-3021L9
Brand:	Delta Electronics
Network type:	4G (LTE FDD/TDD), 3G, WAN
Data rate:	Up to 150 Mbps (down) / 50 Mbps (up)
Interface:	1 x WAN, 4 x LAN, 1 x RS-232, 1 x RS-485, 1 x DI/DO
Dual SIM:	Yes – automatic switching between mobile networks
Protocol support:	Modbus TCP/RTU, Mitsubishi MC, Siemens TCP, MQTT, VPN (PPTP/L2TP/OpenVPN), DIACloud
Security features:	SPI firewall, DoS protection, IP/MAC filtering, VPN tunnel authentication



Description

Industrial 4G Router / DX-3021L9 is a powerful and secure communication solution for remote access, data collection and connectivity in industrial applications. It is designed to create a stable and secure connection between field devices, PLCs and cloud servers – without the need for an external VPN server. With support for LTE, 2G/3G, dual SIM cards and automatic carrier switching, high availability is ensured even in demanding environments. The router supports multiple industrial protocols such as MODBUS TCP/RTU, Mitsubishi MC and Siemens TCP, making it ideal for automation and process monitoring. Robust construction, advanced security features and flexible interfaces make the DX-3021L9 a reliable choice for modern industrial communication.

Features

- A data acquisition equipment connected to cloud servers. Supports a two-way data collection channel between the devices and the cloud.
- Sets up a secure tunnel between the user and the remote device via the cloud server, without the need of additional VPN server.
- Supports MODBUS TCP, MODBUS ASCII/RTU, Mitsubishi MC and Siemens TCP protocol
- Universal LTE-FDD and LTE-TDD frequency bands, backward compatible with WCDMA/GSM/GPRS/EDGE 2G networks.
- LTE data transmission rate up to 150Mbps (downlink) / 50Mbps (uplink)
- Dual SIM dual standby technology, auto-switching between cellular operators without restarting devices
- Automatic APN parameter matching and connection redial
- Connecting to internet through by cellular network or broadband interfaces. Come with indication the priority of internet connectivity interfaces activated.
- Various peripheral interfaces include RS-485, RS-232 and 4 LAN ports
- DI/DO built-in, users can trigger warning by specific events
- Support to upgrade device firmware and configure automatically via USB flash drive. Users can remotely access the USB flash drive by FTP also
- USB port could be acceptable 3rd party Wi-Fi USB adapter to add WLAN interface as Wi-Fi client(only Realtek RTL8192EU driver supported)
- Built-in RTC and supports NTP time synchronization over a network

Article number

Art.No	Description	Input Voltage Range	Network type	Interface	Size	Unit	Pc
4G Router / DX-3021L9	Industrial 4G Router	9–48V DC	4G (LTE FDD/TDD), 3G, WAN	1 x WAN, 4 x LAN, 1 x RS- 232, 1 x RS-485, 1 x DI/DO	118 x 44 x 101mm	st	1