



DA10D IIoT Protocol Converter with RS232 and RS485

Item number: DA10D0C000000000

The DA10D IIoT Protocol Converter with RS232 and RS485 connects multi-generational, multi-vendor applications and equipment with one easy-to-use communication platform. Network over 300 drivers and manage MQTT and cloud connectors with point-and-click simplicity. Ethernet and serial ports enable connectivity and data access to any device.



Rugged and reliable data acquisition gateway and protocol converter

Features and benefits

- ✓ **Built for durability in industrial environments**
Built for industrial environments with a rugged IP40 enclosure. Tolerates 30 g shock and 2 g vibration. Runs on 24 VDC +/- 20% power in temperatures from -10° C to 50° C.
- ✓ **Connect legacy and new equipment**
Use Crimson's up-to-date suite of over 300 drivers to access data for your application. Connect legacy protocols to open standards such as OPC UA and MQTT to share data with enterprise systems.
- ✓ **Simplify data transfer with OPC UA capability**
Streamline data transfer to upstream systems with embedded OPC UA server functionality. Select "Yes/No" and a data tag to share data with OPC UA clients—with no extra hardware.
- ✓ **Serial, Ethernet and USB connectivity**
Seamless communication with one 10/100 Base-TX Ethernet port, one RS232 serial port, one RS232/RS485 serial port and a USB device port for upload/download.
- ✓ **Easy to use automation software**
Crimson® protocol conversion software supports over 300 industrial drivers. Connect legacy and new equipment from different vendors with point-and-click simplicity through a user-friendly interface.
- ✓ **Built-in MQTT and cloud connectors**
Send data to the cloud in minutes with preconfigured cloud connectors. Choose from Google Cloud, Amazon AWS, Microsoft Azure, Sparkplug, Inductive Automation Ignition!, Ubidots or a generic cloud connector.
- ✓ **A bridge between legacy and new devices**
Establish communication between serial, Ethernet and fieldbus devices with on-premise or cloud-based connectivity.
- ✓ **SD card slot**
Easily upload/download a database to/from the gateway using an SD card.

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General	
Net Weight (g)	193
Packed Width (mm)	152.4
Packed Height (mm)	101.6
Packed Depth (mm)	203.2
Packed Weight (g)	195
Operating Temperature °C Min	-10
Operating Temperature °C Max	50
Storage Temperature °C Min	-20
Storage Temperature °C Max	70
Relative Humidity	0 to 85% relative humidity (non-condensing)
Power Consumption (W)	3.5
Input Voltage (V)	24 VDC +/- 20%
Maximum Installation Altitude (m)	2000
Mounting	DIN rail mount (bracket included)
Housing Materials	Polycarbonate
Packaging Material	Cardboard
Warranty (years)	2
Identification and Status	
Product ID	DA10D0C000000000
Country of Origin	United States of America (the)

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Identification and Status

HS Code	8517620000
Dual Usage	No
Export Control Classification Number (ECCN)	EAR99

Physical Features

Connectors / Input / Output	Terminal, 1x RS232, 1x RS232/RS485, 1x RJ45, 1x USB type B
SD Card Slot	Yes
Flash Drive	Yes
Contains Battery	No

Certifications and Standards

Protection Class IP	IP40
RoHS Compliant	Yes
CE	Yes
FCC	No
UKCA	No
UL	Yes
ATEX	No
DNV	No
KC	No
Environment	EN 61000-6-2, EN 6100-6-4
Vibration and Shock	30 g per IEC 68-2-27; 2 g @ 5-500 Hz per IEC 68-2-6