

DA30D IIoT High Performance Protocol Converter with Data Logger, Web Server and Virtual HMI

Item number: DA30D0F00000000

DA30D IIoT High Performance Protocol Converter 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. The advanced web server delivers remote access and control, while real-time data, event and security logging provides ease of mind.



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 and certified for hazardous locations. 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, two RS232 serial ports, one RS232/RS485 serial port, a USB device port for upload/download and a USB host port for data transfer.

✓ Monitor remote assets

Use an advanced webserver to monitor and set up alerts for remote assets and supports HTTPS operation. Track information with real-time, continuous data logging and receive alarm notifications via email and SMS messaging.

✓ 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. Collect trending and datalogging information.

✓ Full-screen display option

Ideal for tablet or mobile display. Choose from 1280 x 720, 700 x 480 or 480 x 272 virtual HMI.

DA30D IIoT High Performance Protocol Converter with Data Logger, Web Server and Virtual HMI



General

Net Weight (g)	196
Packed Width (mm)	152.4
Packed Height (mm)	101.6
Packed Depth (mm)	203.2
Packed Weight (g)	196
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)	12.5
Input Voltage (V)	10 to 30 VDC
Output Voltage	2000
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	DA30D0F000000000
------------	------------------

DA30D IIoT High Performance Protocol Converter with Data Logger, Web Server and Virtual HMI



Identification and Status

Country of Origin	United States of America (the)
HS Code	8517620000
Dual Usage	No
Export Control Classification Number (ECCN)	EAR99

Physical Features

Connectors / Input / Output	Terminal, 2x RS232, 1x RS485, 1x RJ45, 1x USB Type A
SD Card Slot	Yes
Flash Drive	Yes
Contains Battery	No

Certifications and Standards

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