



CR3000 10.4" HMI with Data Logging and Web Server

Item number: CR30001000000420

The CR3000 10.4" HMI with Data Logging and Web Server enhances industrial operations with a durable and easy-to-use display. Connect to virtually any device with in-built protocol conversion and multiple ports. Customize with drag-and-drop programming with Crimson. Monitor with real-time data logging and alerts, and enable remote control with web/FTP servers.



Visualize data onsite and remotely with a versatile, easy-to-connect HMI

Features and benefits

- ✓ **Protocol conversion for over 300 drivers**
Easily connect your HMI to existing legacy and new industrial equipment and converts up to 15 protocols at once. An ever-expanding library of protocol drivers keeps your HMI connected for years to come.
- ✓ **Simple drag-and-drop /auto populating programming**
Crimson® configuration software's intuitive interface makes it easy to connect, set-up, program and view your data anywhere.
- ✓ **Update Crimson displays quickly and efficiently**
Repurpose existing display databases with Crimson's smart conversion utility. Faster formatting on more natural displays with smoother edges, more fill options and anti-alias rendering.
- ✓ **Remote monitoring and control features**
Send alerts on-screen, via email and SMS to notify operators and maximize uptime. Use the web server for mobile pages, HTTPS with certificate provisioning, HTTP redirect, CSS and Java Script support.
- ✓ **Modular communications**
Expand the communications capability of your HMI with additional optional modules. Quick installation and easy programming without an external gateway.
- ✓ **Sleek, full color display**
Reduce human error and speed up training with easy to see visual guides in 16M colors. Available in 10.4-inch standard screen size.
- ✓ **Increase connectivity with more ports**
Select up to 4 serial ports and 2 Ethernet ports allowing 15 simultaneous protocols to be connected. Additional communication modules are available.
- ✓ **Easily collect and share performance data**
Evaluate machine usage and performance with data logging and web serving capabilities. Acquire and compile data into CSV files for storage, display, or email or sync with a server.
- ✓ **Ease and accelerate data workflow with SQL Queries**
Download data from Microsoft SQL Server automatically to populate values for batch applications, production KPIs per shift or user access.
- ✓ **Rugged and durable design**
The NEMA 4X indoor / IP66 enclosure rated front panel is designed to operate reliably in harsh conditions and temperatures from -10° to 50 °C. Certified for hazardous locations and built with high shock and vibration tolerance.

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General

Net Weight (g)	1433
Packed Width (mm)	31.75
Packed Height (mm)	120.65
Packed Depth (mm)	63.5
Packed Weight (g)	1433
Operating Temperature °C Min	-10
Operating Temperature °C Max	50
Storage Temperature °C Min	-20
Storage Temperature °C Max	70
Relative Humidity	85 % max relative humidity, non-condensing
Power Consumption (W)	22
Input Voltage (V)	10 to 30 VDC
Maximum Installation Altitude (m)	2000
Mounting	Panel mount
Housing Materials	Polycarbonate
Front Sealing	Type 4X Indoor / IP66 Enclosure rating (front face only)
Packaging Material	Cardboard
Warranty (years)	2

Identification and Status

Product ID	CR30001000000420
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Identification and Status

Country of Origin	United States of America (the)
HS Code	8537109199
Dual Usage	No
Export Control Classification Number (ECCN)	EAR99

Physical Features

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

Display Features

Display Size	10.4 in.
Display Type	TFT
Pixels	800 x 600
Colors	16M
Touch Type	Resistive analog
Backlight Type	LED
Backlight Life Time (Typical)	50000 Hours
Backlight Brightness	400 cd/m2

Certifications and Standards

Protection Class IP	IP66
RoHS Compliant	Yes
CE	Yes

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Certifications and Standards

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