



CR3000 15" HMI with Data Logging and Web Server

Item number: CR30001500000420

The CR3000 15" 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 15-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)	0.01
Packed Width (mm)	31.75
Packed Height (mm)	120.65
Packed Depth (mm)	63.5
Packed Weight (g)	2649.01
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)	27.5
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

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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	15 in.
Display Type	TFT
Pixels	1024 x 768
Colors	16M
Touch Type	Resistive analog
Backlight Type	LED
Backlight Life Time (Typical)	50000 Hours
Backlight Brightness	350 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