RedLion®
BY HMS NETWORKS

Graphite® Rugged Outdoor 10" HMI with dual Ethernet

Item number: G10S1000

The Graphite® Rugged Outdoor 10" HMI with Dual Ethernet connects, monitors and controls processes in any environment with the industry-leading touchscreen operator panel. These advanced HMIs offer protocol conversion, data logging, web-based monitoring and IEC 61131 programming control. Add I/O and functionality with expansion racks and plug-in modules.

All-aluminum construction featuring sunlight readable HMI panels and two Ethernet ports

Features and benefits

Easy to read screen both indoors and outdoors

Sleek, full-color, resistive analog touchscreen with UV protective overlays. Sunlight readable outdoors.

Rugged design for every environment

Rugged, cast-aluminum housing is designed to operate reliably in harsh conditions and temperatures from -20° to 60°C. Built with high shock and vibration tolerance. Certified for hazardous locations.

Ethernet, serial and USB ports

Devices come standard with 2 Ethernet ports, 2 RS-232 and 1 RS 485 serial ports, 1 USB device and 2 USB Host ports.

Email and SMS alerts

Keep operators informed of machine and process performance with email or SMS notifications.

Crimson® Control programming

Develop logic control easily. Simply add a plug-in Crimson Control module and leverage industry-standard IEC 61131 programming languages.

Compact and easy to install

An HMI with a compact footprint for easy installation. Available as a 10 inch standard screen display.

Seamless connectivity for 300+ industrial drivers

Unify multiple-vendor applications and network-enable equipment with drag and drop simplicity. Convert up to 20 protocols at once from a built-in library of over 300 supported drivers.

Built-in data logging and remote access

An SD card provides built-in, continuous data logging and the visibility you need to support process improvements. In-built web and FTP servers provide remote monitoring and control capability.

Unparalleled expansion capabilities

Choose from a wide range of field-installable plug-ins to seamlessly extend your capabilities. Modules include PID controllers, digital and analog I/O, RTD, and strain gage modules.

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Graphite® Rugged Outdoor 10" HMI with dual Ethernet

General

Net Weight (g)	2182
Packed Width (mm)	31.75
Packed Height (mm)	120.65
Packed Depth (mm)	63.5
Packed Weight (g)	2182
Operating Temperature °C Min	-20
Operating Temperature °C Max	60
Storage Temperature °C Min	-20
Storage Temperature °C Max	70
Relative Humidity	0 to 85% max. RH non-condensing
Power Consumption (W)	0
Input Voltage (V)	10-30 VDC
Maximum Installation Altitude (m)	2000
Mounting	Panel mount
Panel Cut-Out Dimensions	10.197" (259 mm) x 7.931" (201.4 mm)
Housing Materials	Aluminium
Front Sealing	Type 4X Outdoor Enclosure rating
Back Sealing	IP20
Packaging Material	Cardboard

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General

Warranty (years)	2

Identification and Status

Product ID	G10S1000
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, 1x RS422/485, 2x RJ45, 1x USB Type B
SD Card Slot	Yes
Flash Drive	Yes
Contains Battery	No

Display Features

Display Size	10"
Display Type	Resisitive analog
Pixels	640 x 480
Colors	VGA, 16M
Backlight Type	LED
Backlight Life Time (Typical)	35000 Hours
Backlight Brightness	2500 cd/m2

Certifications and Standards

Protection Class IP	IP66
RoHS Compliant	Yes

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Certifications and Standards

CE	Yes
FCC	No
UKCA	Yes
UL	Yes
ATEX	Yes
DNV	No
KC	No
Vibration and Shock	IEC 68-2-27: Operational 40 g; IEC 68-2-6: Operational 5-500 Hz, 4 g