RedLion®
BY HMS NETWORKS

Graphite® Rugged Indoor 9" HMI with Dual Ethernet

Item number: G09C1000

The Graphite® Rugged Indoor 9" 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 HMI panels and two Ethernet ports

Features and benefits

✓ **Easy to read screen**

Sleek, full-color, resistive analog touchscreen.

✓ **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 9 inch wide 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 Indoor 9" HMI with Dual Ethernet

General

Net Weight (g)	0.01
Packed Width (mm)	255.6002
Packed Height (mm)	139.7
Packed Depth (mm)	300.0502
Packed Weight (g)	1533.01
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	9.423" (239.3 mm) x 5.832" (148.1 mm)
Housing Materials	Aluminium
Front Sealing	Type 4X Indoor / IP66
Back Sealing	IP20
Packaging Material	Cardboard

Graphite® Rugged Indoor 9" HMI with Dual Ethernet

General

Warranty (years)	2

Identification and Status

Product ID	G09C1000
Country of Origin	United States of America (the)
HS Code	8537101090
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	9"
Display Type	Resisitive analog
Pixels	800 x 480
Colors	WVGA, 16M
Backlight Type	LED
Backlight Life Time (Typical)	70000 Hours
Backlight Brightness	400 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