RedLion®
BY HMS NETWORKS

Graphite® Rugged Indoor 9" HMI

Item number: G09C0000

The Graphite® Rugged Indoor 9" HMI 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

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 1 Ethernet port, 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.

Graphite® Rugged Indoor 9" HMI

General

Net Weight (g)	1533
Packed Width (mm)	255.6002
Packed Height (mm)	139.7
Packed Depth (mm)	300.0502
Packed Weight (g)	1533
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

General

Warranty (years)	2

Identification and Status

Product ID	G09C0000
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, 1x 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

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