# RedLion®
### BY HMS NETWORKS

# Graphite Expansion Rack Wide (USB)

**Item number: GEXRACK1**

The Graphite Expansion Rack Wide (USB) provides a rugged and scalable solution for panel mounting additional I/O and communication modules for Red Lion's Graphite® platform. Tethered via USB to Graphite HMIs/controllers, it offers 3 module slots and a filtered power supply, ensuring clean power for both the rack and connected Graphite unit. This simplifies mounting and expands system capabilities without complex wiring, enabling enhanced industrial process connectivity, monitoring, and control.

## Features and benefits

# Graphite Expansion Rack Wide (USB)

## General

| | |
|---|---|
| Net Weight (g) | 0.01 |
| Packed Width (mm) | 203.2 |
| Packed Height (mm) | 127 |
| Packed Depth (mm) | 228.6 |
| Packed Weight (g) | 807.01 |
| Operating Temperature °C Min | -40 |
| Operating Temperature °C Max | 75 |
| Storage Temperature °C Min | -40 |
| Storage Temperature °C Max | 85 |
| Relative Humidity | 0% to 80% (non-condensing, from 50) |
| Input Voltage (V) | 9-32 VDC |
| Maximum Installation Altitude (m) | 2000 |
| Mounting | DIN rail mount (bracket included), Panel mount |
| Housing Materials | Metal Housing |
| Packaging Material | Cardboard |
| Warranty (years) | 2 |

## Identification and Status

| | |
|---|---|
| Product ID | GEXRACK1 |
| Country of Origin | United States of America (the) |
| HS Code | 8537109199 |

# Graphite Expansion Rack Wide (USB)

## Identification and Status

| | |
|---|---|
| **Dual Usage** | No |
| **Export Control Classification Number (ECCN)** | EAR99 |

## Physical Features

| | |
|---|---|
| **Connectors / Input / Output** | Terminal |
| **SD Card Slot** | Yes |
| **Flash Drive** | No |
| **Contains Battery** | No |

## Certifications and Standards

| | |
|---|---|
| **Protection Class IP** | IP20 |
| **RoHS Compliant** | Yes |
| **CE** | Yes |
| **FCC** | No |
| **UKCA** | Yes |
| **UL** | Yes |
| **ATEX** | Yes |
| **DNV** | No |
| **KC** | No |
| **Vibration and Shock** | Shock: Panel Mount: IEC 68-2-27: Operational 40 g; DIN Rail: IEC 68-2-27: Operational 15 g; Vibration: Panel Mount: Operational 5-500 Hz, 4 g; DIN Rail: IEC 68-2-6: Operational 5-500 Hz, 2 g (requires DIN Rail type: DIN 1010, DIN 1065 or DIN 3065) |