



Rugged High-Speed 7-Port USB 2.0 Hub with SeaLATCH USB Ports

Part: HUB7M | **Model:** 7-Port USB 2.0 Hub

Once associated only with consumer peripherals, USB I/O devices are commonly found in industrial, military and OEM applications. The HUB7M is housed in a rugged metal enclosure and is ideal for adding USB ports to a Seal/O data acquisition stack or a Relio R1000 embedded solid-state industrial computer. The powered hub is USB 2.0 compliant, providing a full 480M bps data rate to the host, and is backward compatible with USB 1.1 and 1.0 devices.

The HUB7M integrates Sealevel's SeaLATCH locking USB ports, which are fully compatible with standard USB cables. When used with the included USB cable with a SeaLATCH USB type B connector, the metal thumbscrew provides a secure metal-to-metal connection to the hub and prevents accidental cable disconnection. The hub's seven SeaLATCH USB type A connectors can secure USB peripherals to the hub in the same way. Order optional USB cables with SeaLATCH USB connectors under the Accessories tab, or use standard USB cables. Additionally, the highly-retentive type B connector helps prevent unintentional separation from a standard USB cable.

The HUB7M includes an industrial-grade wall-mount power supply that outputs 12VDC @ 2A, providing a full 500mA to each attached USB peripheral. Status LEDs on the hub indicate external power, connection to the host, and fault conditions. Standard operating temperature range is 0°C to 70°C and extended temperature range (-40°C to 85°C) is optional.

Supported in Windows, Linux, and other USB aware operating systems, the HUB7M requires no separate software drivers and is easy to install. Simply provide power to the hub using the included power supply, plug the hub into an available USB port with the included cable, and the hub is automatically recognized.

For light industrial and commercial applications, check out the HUB7P.

Features & Specifications

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Features

- Powered USB hub provides seven downstream USB ports with 500mA available per port
- Sealevel's SeaLATCH locking USB ports provide secure connection with SeaLATCH USB cables via metal thumbscrews
- High-retention USB type B connector prevents accidental disconnection of USB cable
- Status LEDs indicate external power, connection to the host, and fault conditions
- USB (Universal Serial Bus) 2.0 compliant hub
- Backward compatible with USB 1.1 and USB 1.0 devices
- Supports high-speed 480M bps, full-speed 12M bps and low-speed 1.5M bps operation
- Supported in Microsoft Windows, Linux, and other USB aware operating systems
- Includes wall-mount AC power supply that outputs 12VDC @ 2.5A (Item# TR123)
- Includes 6' USB type A to SeaLATCH USB type B device cable (Item# CA356)

Specifications

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|------------------------------|--|
| Communications Chip | USB Hub |
| Dimensions | 7.5 (L) x 5.1 (W) x 1.3 (H) |
| Humidity Range | 10 – 90% Relative Humidity, Non-Condensing |
| Host Interface(s) | USB |
| Max Data Distance | 5 Meters |
| Max Data Rate | 480M bps |
| Operating Temperature | 0°C to 70°C (32°F to 158°F) |
| # of Ports | 7 |
| Power Connector | Screw Terminals |
| Power Requirement | 9-30 VDC @ 20W |
| Storage Temperature | -50°C to 105°C (-58°F to 221°F) |
| USB Specification | 2.0 Compliant 1.1, 1.0 Compatible |