

Berk-Tek Power Injection Devices

Media Module 4-port, 10/100/1000BASE-T, 1000BASE-LX, 4 x LC duplex, SMF, RJ45, 56 VDC in



Part Number: [81001262](#)

With options to power one device or many, the OneReach PI seamlessly becomes a part of the network infrastructure, with 2U or 4U Injector Chassis and a 1U Mounting Bracket (for 1-port modules) installing in a standard 19" rack.

DESCRIPTION

The OneReach System begins in the local closet with the power injector (PI). The PI provides both the power to run the system and the technology to transmit the data signals to previously unreachable distances. Composed of specially designed media modules, 19" rack mountable powered injector chassis, and power supply modules, these devices deliver big benefits in a small footprint.

This approach to IP-based security enables the consolidation of device management through the existing network infrastructure. The existing IT team is able to monitor device traffic and operations without having to travel to remote locations.

By locating the power for remote devices in a single local closet, users are able to consolidate UPS devices and streamline and simplify management. Unlike traditional installations, with OneReach there is no need to provide for redundant power at a variety of remote and possibly environmentally hostile locations. Now, in the event of a power outage, one centrally located UPS can keep your cameras, access control devices or wireless access points fully operational.

Benefits

- Simplifies device management
- Enables UPS consolidation
- Uses simple screw terminal connections
- Supports PoE through the OneReach remotes

Media Module Description

The media module is just one component within the PI. This unit, which plugs into the 2U (81000569) or 4U (81000568) chassis with class 2 power output terminal blocks, allows you to connect multiple devices to your network in a small footprint. Each media module supports up to four independent devices; it connects to your network using a standard copper patch cord. The module transmits the data over fiber to the remote, which will convert back to copper and power your network device.

This media module is not a switch, meaning that all configurations remain within your closet. Although your device is located far away, it will act as if it is connected to the same copper port as your media module.

Benefits

- Consolidates copper port connections
- Simplifies network management; only one switch needs to be managed
- Ease of installation: copper ports are near the switch; fiber ports are near the chassis' screw terminal

CHARACTERISTICS

Construction characteristics

Colour

Black



STANDARDS

International EN 50173;
ISO/IEC 11801

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Construction characteristics

Connector type	LC Duplex
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Dimensional characteristics

Heightunit	1 U
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Approximate net weight	0.8 kg
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Approximate net weight	1.8 lb
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Mechanical characteristics

Speed	10/100/1000 Mbps
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Usage characteristics

Recommended operating temperature range	0 .. 40 °C
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81001262 - 4-PORT 4 X LC DUPLEX MEDIA MODULE DIMENSIONS (INCHES)

REVISIONS			
REV	DESCRIPTION	DATE	APPR.

Notes:

- Slide in module compatible with Berk-Tek family of power patch panels.
- Module houses 4 media converter channels and associated power conditioning circuitry.
- Converts from 1000BaseLX optical to copper ethernet.
- Modules slide into compatible panels and make power supply connection via blind mate connectors to the rear of each module.
- Each module includes a quiet fan which provides a cooling air circuit when installed in the associated panel.
- Each media conversion channel includes: optical connection to the rear LC connectors for the optical port, front panel RJ45 for the copper port, Indicator LEDs for fiber SD/Link, copper link.
- Power dissipation in each module is less than 8 watts on 56V.
- Tri speed copper to 1000BaseLX SM optical media conversion.

4-Port 1000BaseLX 56V RJ45 to LC Media Converter

DWN BY	WS	SIZE	B	PART NO.	81001262	DWG NO.	81001262	REV	0
DATE	20 May 20	SCALE	NTS	DATE		SHEET	1 of 1		

Ref 6466
Replaces 81000173

MANUFACTURING RELEASE

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