

B576

Network Router/Bridge Device

The B576 is a 2 channel RS-485 Floor Bridge that provides the ability to use a RS-485 twisted pair wired network with any RS-485 compatible thermostat or switch as the room gateway device to the Deep Mesh Network.

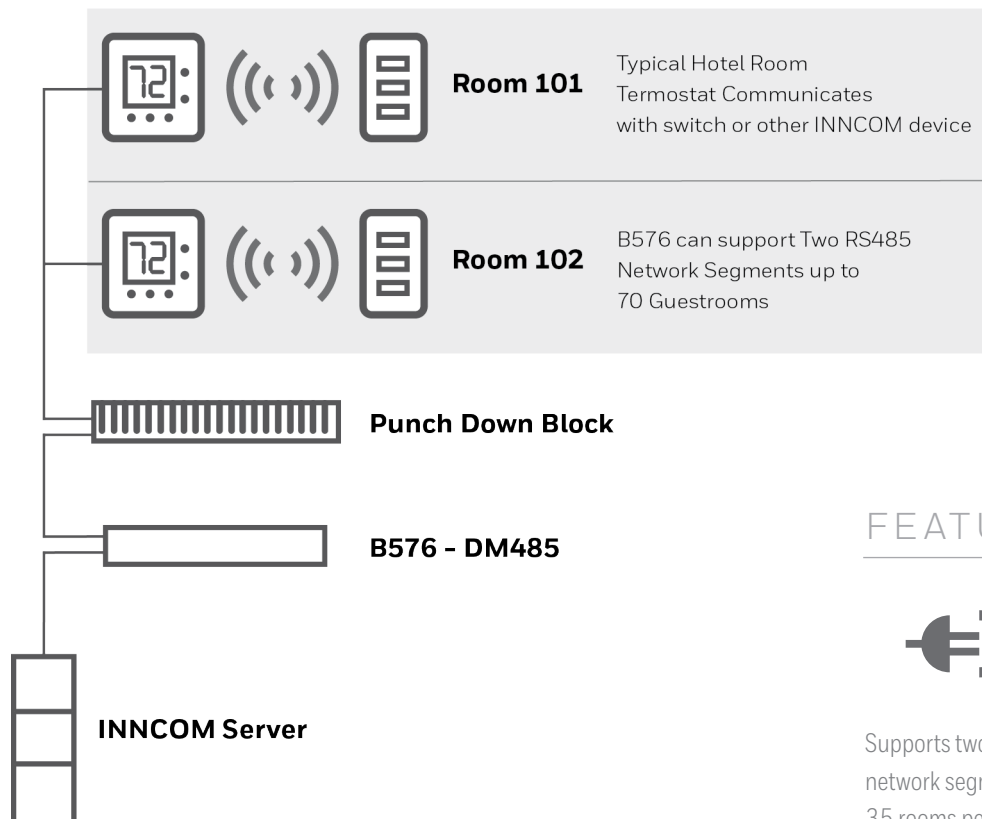


OVERVIEW

Each RS-485 port of the B576 can handle up to 35 rooms/room gateway connections.

The B576 uses an 1U rack mount chassis and is typically powered from an external 12VDC power supply via the barrel socket on the rear of the B576.

TYPICAL DM485 NETWORK



FEATURES & BENEFITS



Supports two RS485 network segments, 35 rooms per segment



Voltage: 12VDC with 100VAC-240VAC 50 / 60Hz power adapter

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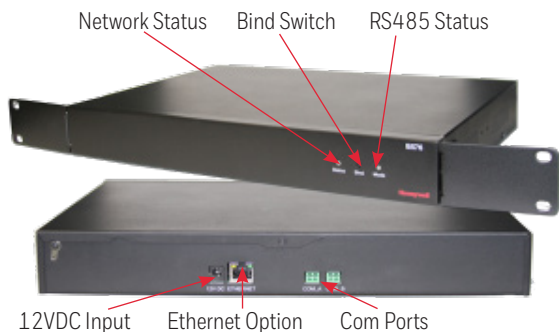
POWER OPTIONS

The B576 normally comes as an externally powered 12VDC device. A Power over Ethernet (PoE) option is available.

The B576 is an IEEE 802.3af compliant Powered Device (PD) interface with a current mode switching regulator, providing a complete power solution for PD applications. The B576 is an IEEE class 2

IEEE Class	Minimum Power Output at the PSE	Maximum Power Input at the Powered Device
0	15.4W	0.44 to 12.95W
1	4.0W	0.44 to 3.84W
2	7.0W	3.84 to 6.49W
3	15.4W	6.49 to 12.95W

If the B576 exceeds its IEEE 802.3af class-2 power rating (i.e., draws more than 7W), the PSE switch in the network will shut down the power and Ethernet connectivity to the B576.



SPECIFICATIONS

DIMENSIONS	19" W x 1.58" H x 22" D
ETHERNET	10Mbps, 1 Ethernet Port
RS485	1 Network Segment
MAXIMUM DEVICES PER RS485 NETWORK SEGMENT	35
NETWORK TOPOLOGY	Home Run
SUPPLY VOLTAGE	12VDC or PoE
CURRENT CONSUMPTION	200mA
OPERATING AMBIENT TEMPERATURE	0-40 °C

For more information

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