

INNCOM B578.R EDGE ROUTER

The B578.R acts as a router between the Inncom RF Room Gateway device installed in each guestroom and the Inncom Deep Mesh server.

One B578.R is installed in each guestroom. Its Edge Router ID must be set to the Room ID and its PAN ID must be set to 0. All other RF devices in that room must also be set to use PAN ID 0. The expanded addressing facilitates transport reliability and multicasting. The B578.R enhances security and offers RF-to-Ethernet protocol conversion, with the availability of a PoE power supply for Power over Ethernet applications.



The B578 RF edge router provides a high-performance, low-cost alternative to the B574 RF edge router. The B578 is available in multiple personalities, each of which varies slightly in application and functionality. The B578.R is for applications where RF communication is limited, such as buildings with concrete construction. It uses UDP packet encryption and is designed to provide end-to-end encryption between the in-room devices and the Deep Mesh Server, and as such, the commissioning procedure varies slightly.

FEATURES & BENEFITS



RF Wireless Communication



Wall or ceiling mount on standard 2-gang ring or DIN rail mountable

Compact physical dimension



Integrated with the INNCOM Room Automation System over the Deep Mesh Network with INNCOM's INNcontrol 3 software

B578.R EDGE ROUTER PROPERTIES

Specifications	
RF DATA RATE	250kbps
INDOOR/URBAN RF RANGE	100ft
RF TRANSMIT POWER	50mW (+17dBm)
RF RECEIVE SENSITIVITY	94.6dBm
FREQUENCY BAND	2.4Ghz
ENCRYPTION	AES-128
PROTOCOL	802.15.4
NETWORK TOPOLOGY	Deep Mesh
802.15.4 ZIGBEE FREQUENCY CHANNELS	11-26. Channels 15, 20, 25 and 26 are preferred
MAXIMUM IN-ROOM DEVICES PER ROOM	Up to 50
SUPPLY VOLTAGE	12VDC
CURRENT CONSUMPTION	200mA peak, 100mA RMS
OPERATING AMBIENT TEMPERATURE*	0-40°C
DIMENSIONS	4.75" x 4.9" x 0.8" Wall Mounted
AGENCY APPROVALS	FCC Part 15, CE Mark ETSI, RoHS
NETWORK CONNECTION	Supports 10/100Mbps
SUPPORTED NETWORK IP PROTOCOLS	UDP, ICMP, DHCP

*For indoor use only

For more information

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