

### RF GATEWAYS

#### TPS-RFGWX 2.4 GHz Spread Spectrum 2-Way RF Gateway

The TPS-RFGWX gateway is an RF transceiver that allows Crestron 2.4 GHz 2-way wireless touchpanels\* to communicate with the control system via the Cresnet network. Crestron's "Wi-Fi friendly" spread spectrum technology permits selection from 10 possible bands within the 2.4 GHz spectrum to minimize the possibility of interference with non-Crestron RF equipment including all 802.11 devices.

Each TPS-RFGWX affords a range of approximately 150 feet indoors and up to 1000 feet outdoors. Extended range can be achieved by distributing multiple gateways (up to 16 per control system) throughout a structure. Each gateway behaves as a Cresnet slave device requiring just one Cresnet wire to each gateway location.

*\*Not compatible with the STX-3500C.*



#### SPECIFICATIONS

##### Connectors

**NET:** (1) 4-pin 5mm detachable terminal block  
Connects to Cresnet control network  
All NET connectors paralleled

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**ANTENNA:** (1) TNC socket  
50 ohms (antenna included)

##### Wireless

**RF Transceiver:** "WiFi friendly" 2.4 GHz spread spectrum  
2-way RF (2400 to 2483 MHz)

**RF Transmitting Power:** 100 mW

**Range:** 3 to 150 ft min/max (typical indoor), 1000 ft outdoor  
Compatible with Crestron TPS-XTXRF and STX-1700CXP  
RF wireless devices  
Maximum 15 touchpanels per gateway

##### LED Indicators

**PWR:** (green) Indicates 24 VDC power supplied from  
Cresnet control network

**NET:** (yellow) Indicates communication with the Cresnet  
system

**SIG:** (red) Indicates communication with a valid RF signal

**Rx:** (red) Indicates when a command is received from a  
touchpanel

**Tx:** (red) Indicates when feedback is transmitted to a  
touchpanel

##### Power Requirements

**Cresnet Power Usage:** 3 Watts (0.125 Amps @ 24 Volts DC)

##### Enclosure

Black metal, freestanding

##### Dimensions

(Without antenna)

**Height:** 1.70 in (4.32 cm)

**Width:** 7.07 in (17.95 cm)

**Depth:** 6.32 in (16.06 cm)

##### Weight

2.38 lbs (0.93 kg)