

Operational Description

FCCID: QRF-24QGFKT3_

2.4 GHz Wireless Network Adapter

Tranzeo Wireless Technologies Inc.

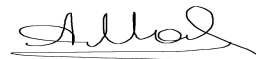
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Operational Description

The device is a wireless network bridge designed specifically for outdoor applications. The device provides a bridge between IEEE802.3 wired Ethernet LANs and IEEE802.11b/g compliant wireless networks. It uses an integrated antenna coupled with an 802.11b/g transceiver to connect to remote wireless clients. The transceiver operates in the frequency band 2400-2483.5 MHz. The device transmits digital network data. The unit is mounted externally in fixed point-to-point installations. It is mounted on the exterior of a building typically for broadband internet access.

The type of RF modulation is DSSS and OFDM both used at 2.4 GHz. The device can transmit data at a bit rate of 11 Mbps in DSSS mode and 54 Mbps in OFDM mode or at a real-world data rate of approximately 6.3 and 26.6 Mbps respectively. A 40/64 bits and 128 bits Wired Equivalent Protection (WEP) encryption, Media Access Control address filter (MAC), WPA and WPA2 (TKIP/AES) encryption algorithms are used for secure communications. The device's standard compliance ensures that it can communicate with any 802.11b/g network.

The firmware used with the device prevents the use of channels outside the specified frequency bands.

The product is used exclusively in a professionally installed, fixed point-to-point environment.