

RF Transceivers

Industrial Broadband Wireless Ethernet

Specifications

Frequency Band (varies by country):

- 2.412 GHz to 2.462 GHz (FCC)
- 2.412 GHz to 2.472 GHz (ETSI)
- 5.150 GHz to 5.250 GHz (FCC/ETSI)
- 5.725 GHz to 5.850 GHz (FCC)

Wireless Standards:

802.11a, 802.11b, 802.11g and 802.11i

Transmit Power; Programmable

(varies by country):

- 2.4 GHz: up to 100 mW (20 dBm)
- 5 GHz: up to 64 mW (18 dBm)

Channel Data Rates (modulation):

802.11b, 11, 5.5, 2, 1 Mbps (DSSS, BPSK, QPSK, CCK) 802.11g: 54, 48, 36, 24, 18, 12, 9, 6 Mbps (OFDM) 802.11a: 54, 48, 36, 24, 18, 9, 6 Mbps (OFDM)

Receiver Sensitivity (Typical):

- 90 dBm at 1 Mbps
- 85 dBm at 11 Mbps
- 82 dBm at 24 Mbps
- 75 dBm at 54 Mbps

Channels Selection (varies by country):

1 to 13 (802.11a)

Security:

WPA2 - 802.11i with 128 bit AES-CCM legacy WPA TKIP, WEP support MAC ID filter, admin password



Standard Features

- Serial and Ethernet connectivity
- Configures as 802.11 abg Access Point, Wireless Bridge, Wireless Repeater and Client
- Secure WPA2/128 bit encryption
- Dual band 2.4GHz or 5 GHz bands
- Robust design for extreme temperatures (-40° to 75°C) high vibration/shock and hazardous locations (UL Class 1, dision 2 Atex Zone 2)*

Part Number/Price

PART #	DESCRIPTION	PRICE
161936	Industrial hot spot, 802.11abg	Consult
161954	Industrial hot spot in FRP enclosure	Consult
161955	Paired radios for serial data tunneling	Consult

*Special ordered power supplies and antennas required

