Industrial Broadband

Wireless Ethernet

Part Number/Price

Part #	Description	Price
166630	Industrial hot spot, 802.11a/b/g*	Consult
161954	Industrial hot spot in FRP enclosure*	Consult
161955	Paired radios for serial data tunneling*	Consult

Special ordered power supplies and antennas required

Dimensions

FRP Enclosure			
A	8.5 in (216 mm)	B	10.5 in (267 mm)

161954 Industrial hot spot

Standard Features

- Serial and Ethernet connectivity
- Configures as 802.11 a/b/g access point, wireless bridge, wireless repeater and client
- Secure WPA2/128 bit encryption
- Dual band 2.4 GHz or 5 GHz bands
- Robust design for extreme temperatures (-40 °C to 75 °C) high vibration/shock and hazardous locations (UL Class 1, Division 2, Atex Zone 2)

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

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