ShadowMini

Highlights

- **IEEE 802.11 a/b/g**

- **Internal 2.4 GHz or 5 GHz band antenna**

- **Rugged & robust**
    - **Weatherproof chassis**
    - **NEMA 4X Compliant**
    - **IP67 Compliant**

- **Ease of mounting**

- **Low cost deployment**

- **Routing & Bridging embedded**

- **Low energy consumption PoE**

- **Easy channel selection to assist in avoiding Interference**

- **FCC Part 15 & Industry Canada RSS210 Compliant**

WAVETEQ

Solid Wireless Broadband

ShadowMini

Radio

Frequency	802.11b/g	2.400—2.483 GHz
	802.11a	5.15—5.35 GHz, 5.725—5.825 GHz

Channels Support	802.11b/g	US/Canada: 11 (1—11) channels
	802.11a	US/Canada: 13 non-overlapping channels (5.15 - 5.35 GHz, 5.725—5.825 GHz)

Modulation	802.11a/g	OFDM - Orthogonal Frequency Division Multiplex (64 &16-QAM, QPSK, BPSK)
	802.11b	DSSS Direct Sequence Spread Spectrum (DBPSK, DQPSK, CCK) FDM (BPSK, QPSK, 16-QAM, 64-QAM)

Antenna (Primary)		+14 dBi @ 2.4-2.5 GHz or 16.8 dBi @ 5 GHz

Output Power (antenna port) & Data Rates		
	802.11g	19, 19, 19, 19, 19, 18, 17, 16 dBm @ 6, 9, 12, 18, 24, 36, 48, & 54 Mbps
	802.11b	19 dBm +/- 2 dBm for all data rates
	802.11a	17, 17, 17, 17, 17, 16, 15, 14, 13 dBm @ 6, 9, 12, 18, 24, 36, 48, 54 Mbps

Receiver Sensitivity (10E-05 BER)		
	802.11g	-89 dBm @ 6 Mbps, -73 dBm @ 48 Mbps, -70 dBm @ 54 Mbps
	802.11b	-93 dBm @ 1 Mbps, -88 dBm @ 11 Mbps
	802.11a	-89 dBm @ 6 Mbps, -73 dBm @ 48 Mbps, -70 dBm @ 54 Mbps

Multiple Access Protocol	802.11a/b/g	CSMA/CA with ACK

Configuration

Network Management Support	Console via Secure Shell (SSH)
Service & Security Protocols Supported	UDP, TCP, ICMP, 64, 128 -bit WEP, Web GUI WPA-PSK, WPA EAT/TLS, EAP/TTLS, EAP/PEAP, TKIP & AES ciphers, ACL

Standards, Compliance and General Information

EMC	EN 300-385, FCC Part 15, Industry Canada RSS210
Safety	EN 60950, UL1950
Environmental	ETS 300 019

Mechanical

Size	10.25 in (h) x 11.9 in (w) x 3.0in (d) 26cm (h) x 29.5cm (w) x 7.6cm (d)
Weight	1 lbs (2.2 kg)

Electrical

Power Supply	10W maximum, 15 VDC minimum via the Power over Ethernet (PoE)

Environmental

Operating Temperature	Outdoor units: -40°F to +140°F, -40°C to +60°C
Operating Humidity	5% to 95% non-condensing. Outdoor units are weather protected
Wind Survival	124 miles/hr (200 km/hr)

Interfaces

User Interface	10/100 BaseT, PoE

Specifications subject to change without notice. Mar.3/08

Waveteq Communications Inc.
Suite 222 - 3121 Hill Road
Lake Country, B.C., Canada
V4V 1G1
sales@waveteq.com
www.waveteq.com
+1 (888)-Waveteq (928-3837) USA & Canada
+1-250-766-9229 International
+1-250-766-9221 Fax

WAVETEQ