



HALO-MINI
(INTEGRATED ANTENNA)

Using advanced OFDM technology, Halo Mini has outstanding performance at short distances. Halo Mini operates within the 5GHz ISM band (5.150 to 5.850 GHz in 4 bands) with 24 non-overlapping 20MHz channels.

Halo Mini boasts a 14 dBi integrated panel antenna, providing a high 29 dBm (EIRP) combined output power. This outdoor unit is ideal for client access or short distance, high throughput bridging.

applications

- High Performance CPE
- Redundant Links between Buildings
- Wireless Repeater
- Dedicated ISP Connections for High Reliability Subscribers
- Enterprise LAN or PBX Extension / Expansion

extended coverage area

With output powers as high as 800mW (29dBm EIRP), Halo Mini can be used as a powerful CPE, or it can be used to extend the signal of your existing 802.11a or 5 GHz network.

cost effective solution

With an integrated 14dBi panel antenna, Halo Mini's light and compact design offers up phenomenal performance at a great price.

manageability

Through your web browser, the Halo Radios are fully manageable both locally and remotely. In addition, built-in SNMP support allows ISP and enterprise operators expand their networks' infrastructure with ease.

power output control

Halo Mini puts you in control of your network's transmission power. Adjustable power levels range from full power to 1/8th (12.5%) power.

quality of service

Halo Mini follows the rest of the Halo series in offering voice packet prioritization. Halo can discern between standard data packets, voice-over-IP packets, or video packets. Then, based on filters you can adjust, Halo will prioritize certain packets over others.

security

Halo Mini supports WEP 64/128/152-bit encryption, WPA-PSK, WPA, 802.1x authentication (EAP), disable broadcast SSID, client isolation and MAC filtering.

WEIGHT

1.7 kg (3.75 lbs)

DIMENSIONS

350 x 350 x 95 mm (14 x 14 x 3.75 in.)

WHAT'S IN THE BOX?

- Halo Mini
- AC Adapter
- Power-over-Ethernet Injector
- User's Manual
- Quick Install Guide

RADIO

Frequency	5 GHz Band
Standards	IEEE 802.11a
Operating Channels	5.150 GHz – 5.850 GHz
Modulation	OFDM / DSSS
Range	Up to 13 Km (8 miles)

DATA RATES	Modulation	Tx Power	Rx Sensitivity	Net Throughput	Range*
54 Mbps @ OFDM	64QAM	12 (± 1.5) dBm	-75 dBm	Up to 23.4 Mbps	Up to 2.0 Km
36 Mbps @ OFDM	16QAM	14 (± 1.5) dBm	-81 dBm	Up to 18.6 Mbps	Up to 5.5 Km
18 Mbps @ OFDM	QPSK	14 (± 1.5) dBm	-86 dBm	Up to 10.2 Mbps	Up to 9.8 Km
6 Mbps @ OFDM	BPSK	15 (± 1.5) dBm	-89 dBm	Up to 4.7 Mbps	Up to 13.0 Km

ANTENNA

Frequency	5.150 GHz - 5.875 GHz
Gain	14 dBi
Beamwidth	H 33.4°, E 36.9°
VSWR	≤ 2.0 : 1
Front to Back Ratio	40 dB
Impedance	50 Ω

CONNECTIONS

Ethernet	IEEE 802.3(10Base-T) / IEEE 802.3u(100Base-Tx)
----------	--

MANAGEMENT

Management and Setup	Web-based configuration
SNMP agents	MIBII
Operating Modes	Access Point / Client / WDS (Bridge) / Repeater
Protocol	TCP/IP, IPX/SPX, NetBEUI
Operating System	Windows 98, 2000, NT, XP
Network Architecture	Point-to-Point / Point-to-Multipoint (CPE) / Repeater

SECURITY

Data Encryption	WEP 64/128/152-bit encryption WPA / WPA-PSK / WPA-TKIP
Authentication	802.1x Auth. (EAP)
Authorization	MAC Filtering
Additional Security	Hidden SSID
	Firewall
	Layer 2 Isolation (Client Isolation)

ENVIRONMENT

Operating Temperature	-30 C ~ 55 C
Storage Temperature	-30 C ~ 70 C
Humidity	95% non-condensing

WARRANTY

1 year

POWER SUPPLY

AC 100-264 V, DC 24 V, 50-60Hz
