

SLOKA



Broadband Wireless Everywhere!



Indoor CPE
Functional Specifications
Sloka WiMAX CPEs

Sloka Telecom Pvt. Ltd.

<http://www.sloka.in>

General

Frequency bands	3.3-3.6 GHz; 3.6-3.8 GHz
Channel size	3.5 / 5 / 7 / 10 Mhz
Access scheme	OFDM / BPSK
Duplex method	TDD, HFDD
SNR for BER 10 ⁻¹⁰	25 dB (64QAM uncoded)
Adaptive modulation	Yes
TFTP support	Yes
QoS	BPSK; QPSK; 16QAM; 64QAM
Automatic frequency scan	Yes
Enhanced Wimax features	PHS, ARQ
Fast tracking	Yes
Incremental bandwidth request	Yes
Frame size	2.5, 4, 5, 8, 10 ms (TDD)

Services

WLAN tagging	Yes
Self install CPE	Yes
Bridge and router mode	Yes
Remote SW automatic update	Remote SW upgrade configuration
Full security support	X.509 certificate, PKv1, CB-s date, 3-DES key encryption, PKmv2
Channel coding	Convolutional coding with tail biting Convolutional turbo coding

Electrical

Antenna gain	11dBi internal
Tx power max to antenna	+23 dBm
Rx sensitivity	-96 dBm to -46 dBm
Up link subchannelization support	Yes
Configurable cyclic prefix	1/4, 1/8, 1/16, 1/32
User interface	- 10/100 Base T Ethernet (RJ-45) - n°2 analog ports on RJ-11 VoiP - Wi-Fi 802.11 b/g

Mechanical

Voltage	110-230V AC 12v DC External device, 50-60 Hz, 6.5 W Peak
Dimensions	185 x 65 x 117 mm (LL x WW x HH)
Weight	140 g
Operating Temperature	+5° to 40° C
Storage Temperature	-40° to 70° C
Humidity	10 - 90% not condensing
Regulatory compliances	CE marking, FCC, RoHs / WEEE