

SLOKA



Broadband Wireless Everywhere!



5.8 GHz
Functional Specifications
Sloka WiMAX CPEs

Sloka Telecom Pvt. Ltd.

<http://www.sloka.in>

RADIO

Product Operation	LOS, NLOS Point-to-Multipoint Subscriber Unit			
RF Band	5.15-5.35 GHz, 5.47-5.725 GHz, 5.725-5.875 GHz			
Channel Bandwidths	3.5MHz, 5 MHz, 7MHz selectable			
Frequency Resolution	250KHz steps			
Spectral Efficiency	5 bits/sec/Hz (64-QAM un-encoded)			
Receive Sensitivity typical at BER <10-6	Burst Type	3.5MHz	5MHz	7MHz
	BPSK 1/2	-95	-93	-92
	QPSK 1/2	-93	-91	-90
	QPSK 3/4	-91	-89	-88
	16-QAM 1/2	-88	-86	-85
	16-QAM 3/4	-85	-83	-81
	64-QAM 2/3	-80	-78	-77
64-QAM 3/4	-78	-76	-75	
Modulation	OFDM (BPSK, QPSK, 16-QAM, 64-QAM)			
Radio Access Method	TDD			
RF Output Power	+17 dBm max			
RF Output Dynamic Range	30 dB			

ANTENNA

Model SLK-TR-WMX-3.5-14	Integrated 16 dBi flat panel antenna
Model SLK-TR-WMX-3.5-17	Integrated 20 dBi flat panel antenna
Model SLK-TR-WMX-3.5-20	Integrated 24 dBi flat panel antenna

DATA COMMUNICATIONS

RF	IEEE 802.16-2004
Data	IEEE 802.3 CSMA/CD
VLAN support	IEEE 802.1Q
Error Control Coding	Concatenated Reed-Solomon Convolutional Code
Polarization	Horizontal or Vertical
Throughput	Up to 35 Mbps (Raw data in BER test mode)

MANAGEMENT

LED Display	Link / status / signal strength / power
Network Protocol	TCP/IP
Encryption Protocol	DES-CBC. AES-CCM
Subscriber Unit monitoring	SNMP, Web-based GUI, Telnet, SSH
Subscriber Unit management	Web-based GUI
Ethernet Connector	10/100Base-T (water tight RJ-45)

PHYSICAL AND ENVIRONMENTAL

Dimensions	103/8" x 85/8" x 21/4" (264mm x 219mm x 57mm)
Weight	3lbs (1.35kg)
Operating Temperature	-45°C to +55°C
Power requirement	IEEE 802.3 (PoE) and Auxillary POE

STANDARDS AND REGULATIONS

CE/Industry Canada EN 302-502, EN301-489, EN55022, IP67
