

WiN5600 System Specifications

Radio and Modem:

Frequency	WiN5613: 1350 MHz to 1500 MHz WiN5623: 2300 MHz to 2400 MHz WiN5625: 2496 MHz to 2690 MHz WiN5635: 3300 MHz to 3600 MHz
Radio Access Method	IEEE802.16-2005 (16e OFDMA)
Operation Mode	TDD
Channel Bandwidth	5 MHz, 7MHz, 8.75 MHz, 10 MHz
Frequency Resolution	0.125 MHz
WiMAX Antenna	Two 4dBi external antennas (2T2R)
Wi-Fi Antenna	Two 2dBi internal antennas
Output Power @ antenna port	27dBm +/-1dB maximum auto power control ranging: 45dB
FFT	1024/512 FFT points
Modulation	QPSK, 16QAM, 64QAM
FEC	Convolution Code and Turbo Code
Dynamic range	Rx: -100dBm :-20 dBm Tx: -18dBm : +27 dBm
Mac Throughput	DL: 12Mbps, UL: 6Mbps

Configuration and Management:

Local Management	<ul style="list-style-type: none"> Telnet SNMPv2 Web Browser
Remote Management	SNMPv2 over wireless via the Base Station
SNMP Agent	SNMP ver 2 client: MIB II (RFC 1213), Private WiNMAX MIBs
Authentication	EAP TTLS/TLS Device: X509v3 digital certificate Network: WiMAX Forum
Software Upgrade	FTP

Wi-Fi:

Standard	IEEE802.11b/g
Security	<ul style="list-style-type: none"> Password protected system management WEP (64/128bit), MAC address filtering

General:

Indicators	Voice Power Activity/Link Green flashing
Power	110-230 VAC external power supply
Operating Temperature	0° ~ 40° C (32° - 100° F)
Operating Humidity	10% - 90% non-condensing

VoIP Features:

Protocols	<ul style="list-style-type: none"> SIP MGCP
CODECS	<ul style="list-style-type: none"> G.711, G.726,G.729A (Optional), G.723.1(Optional) G.168 Echo Cancellation Jitter Buffer, Voice Activity Detection and Comfort Noise Generation Caller ID detection/generation G3 Fax/Modem tone detection Call hold/waiting/forwarding/transfer/ conferencing SIP only Call process tone ITU-T T.38 (optional)
QoS	IP ToS function (RFC 1349) support priority queues for upstream and downstream traffic based on ToS field

Router Features

Routing	RIP-1 and RIP-2 Static Routing NAT with ALGs /NAPT DNS Relay IGMP Proxy/Snooping Pocket filtering Access Control List
Embedded Server	DHCP Server/Relay/Client DMZ & SSH

Standards Compliance:

EMC	FCC part 15, subpart B, class B
Safety	TUV-UL 60950-1
Radio	FCC Part 27 ETSI EN 301021

Interfaces:

LAN	4 10/100BaseTX LAN ports 10/100BaseTX auto sending (IEEE 802.3u) Connector RJ-45 Transmission Full/half duplex, auto negotiation, auto detect, auto polarity, cross or straight cable 10BaseT UTP, Cat. 3, 4, 5 100m. 100BaseTX UTP, Cat. 5 100m
Telephone	2 independent phone lines (FXS) Analog Connector RJ-11 (POTS)



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