

WiN7000-2 System Specifications

Radio and Modem:

Frequency	WiN7013-2: 1350 MHz to 1400 MHz WiN7014-2: 1400 MHz to 1525 MHz WiN7025-2: 2496 MHz to 2690 MHz WiN7035-2: 3400 MHz to 3600 MHz WiN7037-2: 3600 MHz to 3800 MHz
Radio Access Method	IEEE802.16-2005 (16e OFDMA)
Compatibility	WiMAX Forum Wave 2 Profile
Operation Mode	TDD
Channel Bandwidth	3.5MHz, 5 MHz, 7MHz, 10 MHz
Frequency Resolution	0.25 MHz
Antennas	Integral Omni External Sector
Number of Antennas	2
Default Antenna	Omni
Antennas Connectors	2x N-Type, 50 ohm, lightning protected
Diversity Support	STC/MIMO
Output Power [P1dB]	2 x 10W; 2 x 45W; 2 x 90W
Output Power (average)	Type 10W: 30 dBm +/-1dB maximum Type 45W: 36 dBm +/-1dB maximum Type 90W: 39 dBm +/-1dB maximum (available for WiN7013)
FFT/Modulation	512/1024 FFT points; QPSK, 16QAM, 64QAM
FEC	Convolution Code and Turbo Code
TPC	15dB
Synchronization	GPS or IEEE1588 (optional)

Network Interfaces:

Network	1. 40.5-60VDC 2. 10/100BaseT Half/full Duplex IEEE 802.3 CSMA/CD Fiber optic - optional
ASN GW Compatibility	WiMAX Forum R6 Profile C Compatible with CISCO ASN-GW

Configuration and Management:

Management	SNMP
SNMP Agent	SNMP ver 2 client: MIB II (RFC 1213), Private Win-Max MIBs
Software Upgrade	FTP
Remote Configuration	FTP

Mechanical:

Dimensions [HxWxD]	60cm x 27cm x 10cm
Weight	<15Kg

Power Interface:

Input	48VDC
Power Consumption	Type 10W: 75Watt maximum Type 45W: 140Watt maximum Type 90W: 216Watt maximum

Environmental:

Operating Temperature	-40°C to +55°C
Operating Humidity	5%-95% non condensing, Weather protected

Standards Compliance:

EMC	FCC part 15, subpart B, class A ETSI EN 301489-1/4
Safety	TUV-UL 60950-1 IEC 60950-1
Environmental	ETS 300 019: Part 2-1 T 1.2 & part 2-2 T 2.3 Part 2-4 T 4.1E IP66
Immunity	EN61000-4-2 EN61000-4-4 EN61000-4-5
Radio	FCC Part 27 ETSI EN302 326

Ordering Information:

Part Number	WiN70XX-2-Y-ZZE-W
XX – Frequency range	See frequency table for details
Y – Sync. Interface	E – IEEE1588; G – GPS
ZZ – PA peak power [Watt]	10; 45; 90

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