

WiN5200 Specifications

Radio and Modem:

Frequency	WiN5213: 1350 MHz to 1400 MHz WiN5214: 1400 MHz to 1500 MHz WiN5215: 1520 MHz to 1660 MHz WiN5223: 2300 MHz to 2400 MHz WiN5225: 2496 MHz to 2690 MHz WiN5233: 3300 MHz to 3400 MHz WiN5235: 3400 MHz to 3600 MHz WiN5237: 3600 MHz to 3800 MHz
Radio Access Method	IEEE802.16-2005 (16e OFDMA)
Operation Mode	TDD
Compatibility	WiN52XX-1: Wave 1 Profile (SISO) WiN52XX-2: Wave 2 Profile (MIMO)
Channel Bandwidth	5 MHz, 7MHz, 8.75MHz, 10 MHz
Frequency Resolution	0.125 MHz
Antenna Support	Integral External Antenna (optional)
Number of Antennas	WiN52XX-1: 1 WiN52XX-2: 2
Antenna Diversity Support	WiN52XX-2: STC/MIMO
Power	2W
TPC	45dB
FFT/Modulation	1024/512 FFT points; QPSK, 16QAM, 64QAM
FEC	Convolution Code and Turbo Code
Dynamic range	RX: -100dBm :-20 dBm TX: -20dBm : +24 dBm

Data Communication (Through indoor unit):

Ethernet Standard Compliance	IEEE 802.3 CSMA/CD
Ethernet Port	10/100 Mbps, Half/Full Duplex with Auto Negotiation
VLAN Support	IEEE 802.1Q
Traffic Classification	<ul style="list-style-type: none">IEEE 802.1pDiffServ (DSCP)
Max User Throughput	DL: 12Mbps, UL: 6Mbps

Indoor Unit (ETH) Compatibility:

WiN1010	Data Adapter
WiN1020	Home Gateway
WiN1030	Office Gateway

Configuration and Management:

Local Management	<ul style="list-style-type: none">TelnetSNMPv2Web Browser
Remote Management	SNMPv2 over wireless via the base station
SNMP Agent	SNMP ver 2 client: MIB II (RFC 1213), Private Win-Max MIBs
Authentication	EAP-TTLS: Device: X509 digital certificate User: MS-CHAP
Software Upgrade	FTP
Remote Configuration	FTP

Mechanical, Electrical and Environmental:

Dimensions:	20 x 7.5 x 10 cm
Base [L, W, H]	
Weight	1.5 kg
Power Source	48VDC from the indoor unit over the indoor-outdoor cable
Power Consumption	6W maximum
Operating Temperature	-40°C to +55°C
Operating Humidity	5%-95% non condensing, Weather protected

Standards Compliance:

EMC	FCC part 15, subpart B, class B ETSI EN 301489-1/4
Safety	TUV-UL 60950-1 IEC 61950
Radio	FCC Part27 ETSI EN 301021
Environmental	ETS 300 019