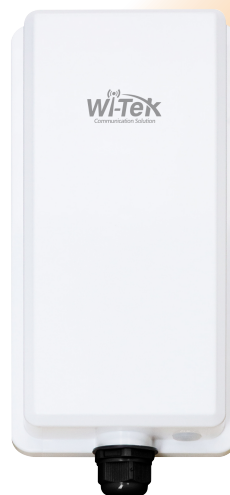


Datasheet

6GHz AX2400 Fixed Wireless Access

WI-FW5619



Overview

WI-FW5619 is dedicated to cost effective solutions for outdoor wireless networking applications. It is flexible and ideal for point-to-point, point-to-multi point and outdoor Wi-Fi coverage applications. Professional performance, coupled with user-friendly design, makes WI-FW5619 an ideal choice for both business and home users.

Features:

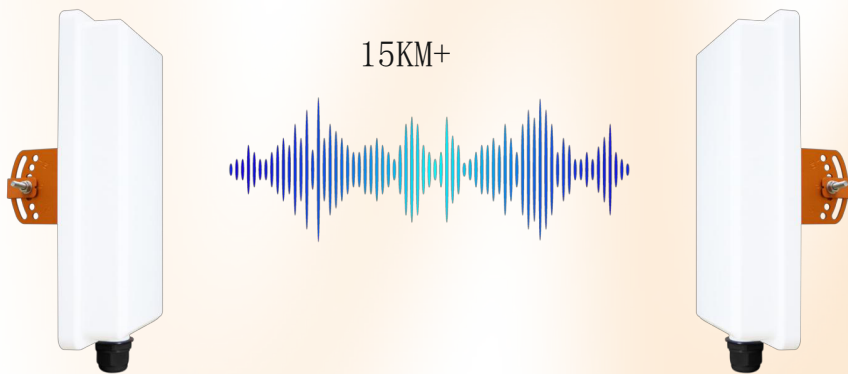
- . 6GHz FWA AX2400
- . Max Throughput up to 940Mbps
- . Transmission Distance up to 15km
- . Wi-Fi 6E, 5.925–7.125GHz, 2x2 MU-MIMO/OFDMA
- . 1*GE RJ45 Port
- . 29dBm Max.Tx Power for Extensive Signal Coverage
- . Flexible Power Supply 24V or 48V Passive PoE IN
- . PTP and PTMP Application
- . Support TR-069 Remote Management



Specifications

Model	WI-FW5619
Operating Frequency	5.925–7.125GHz
Wireless Standards	WIFI 6E
Channel Width	20/40/80/160 MHz
Max Throughput	940Mbps
Transmission Distance	15km
Proprietary Physical Layer	2x2 MU-MIMO/OFDMA based on 802.11ax underlying technology
Networking interface	1*Gigabit
Transmit Power Range	Max 29dBm @20MHz, Max 27dBm@40/80MHz, Max 26dBm@160MHz
Antenna Frequency Range	5.15–7.125GHz
Antenna Gain	19dBi Dual Linear
Antenna Beam width	V:16°/ H:45°
LEDs	1*Power, 1*SYS, 1*LAN, 3*Wi-Fi
Power Supply	24V or 48V Passive PoE IN(Pin 4, 5(+), 7, 8(-))
Power Consumption	<15W
Surge suppression	8KV
Weatherproof Enclosure	IP67
Size	307*127*65mm
Weight	0.8kg
Temperature	-30°C to 55°C
Working mode	AP WDS, Client WDS
Network Mode	Bridge/Router
Firewall	Port Forwarding, DMZ, ACL Filtering
Wireless Security	WPA-PSK, WPA2-PSK, WPA/WPA2-PSK, WPA2-PSK/WPA3-SAE, WPA3-SAE
VLAN	802.1Q with 802.1p priority
DHCP	DHCP Server, DHCP Client

Model	WI-FW5619
Network Management	HTTP/HTTPS, SNMPv1/2, SNMPv3, TR069
QoS (Quality of Service)	Three-level priority (voice, high, low) with packet classification by DSCP, COS, VLAN ID, IP & MAC Address, broadcast, multicast, and station priority
ARQ	yes
Nominal Receive Sensitivity (w/FEC) @20 MHz Channel	MCS 0 = -95 dBm to MCS 11 (1024 QAM-5/6) = -64 dBm (per chain)
Nominal Receive Sensitivity (w/FEC) @40 MHz Channel	MCS 0 = -92 dBm to MCS 11 (1024 QAM-5/6) = -61 dBm (per chain)
Nominal Receive Sensitivity (w/FEC) @80 MHz Channel	MCS 0 = -89 dBm to MCS 11 (1024 QAM-5/6) = -58 dBm (per chain)
Nominal Receive Sensitivity (w/FEC) @160 MHz Channel	MCS 0 = -86 dBm to MCS 11 (1024 QAM-5/6) = -55 dBm (per chain)
Modulation Levels (Adaptive)	MCS 0 (BPSK) to MCS 11(1024 QAM-5/6)
Antenna Information	
	
Antenna Pattern	Polar Plots and Gain Across Frequency





PTP Throughput Test Data

Channel Width	1km	2km	6km	10km	15km
160MHz	900Mbps+	800Mbps+	700Mbps+	300Mbps+	100Mbps+
80MHz	800Mbps+	600Mbps+	400Mbps+	150Mbps+	60Mbps+
40MHz	400Mbps+	300Mbps+	250Mbps+	80Mbps+	20Mbps+
20MHz	200Mbps+	150Mbps+	100Mbps+	40Mbps+	10Mbps+

*The above test data is obtained in coastal or remote areas where Wi-Fi interference is relatively low. In actual use, it is recommended to have sufficient redundancy to ensure the actual performance.



Wireless-Tek Technology Limited

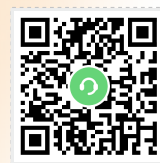
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Technical Support



Cloud Management



Company Website