

Product: AX3000 5G ODU

Model No.: HPT-Y520P-G330



Overview

5G Smart ODU System , is based on brand-new embed platform, it can be satisfied with growing-up mobile connections requirements and provides the fast speed beyond your imagination.

The ODU is compatible with NSA/SA dual-mode, suits to all network types all over the world, it means you just plug and play it and enjoy the ultra-fast broadband connection at any places.

ODU brings new ways to experience VR/AR/4K/8K streaming freely and easily. Built-in 802.11ax (Wi-Fi 6) Technology,

ODU 5G, the waterproof level is up to IP66, the appearance is exquisite and beautiful, and it is suitable for various installation methods: wall hanging, pole holding.

Features and functions

1. Signal Receiving and Transmitting: 5G ODU is mainly responsible for receiving 5G signals from the base station, amplifying the signals and transmitting them to the IDU. At the same time, it also sends the signals transmitted from the IDU back to the base station.
2. High weather resistance: Since the ODU is installed outdoors, it is designed with weather resistance in mind, and is able to work normally under various harsh weather conditions, such as high temperature,

low temperature, rain and snow.

3. High-speed data transmission: Supporting the high bandwidth and low-latency characteristics of 5G networks, it is able to provide fast data transmission rates, which is suitable for high-demand applications such as high-definition videos and online games.
4. Network Coverage Optimization: With ODU's high gain antenna and flexible mounting position, it can optimize the coverage of 5G signals and improve network quality.
5. PoE power supply: Many 5G ODU devices support power over Ethernet (Power over Ethernet), simplifying installation and wiring.
6. Multi-device connectivity: supports connecting multiple IDUs or terminal devices, suitable for home, office, small business and other scenarios.

Hardware Specifications	
Hardware Specifications	MT7981B+MT7976CN Dual Core 1.2GHZ DDR4 memory 1GB SPI NAND FLASH 256MB
WIFI Chip	MT7976CN IEEE 802.11n/g/b/a/ac/ax,Max. 3000Mbps
Module	5G NR Qualcomm™SDX62 modem
Protocol Standards	IEEE802.11n/g/b/a/ac/ax,IEEE802.3/802.3u
Wireless Rate	Dual-band concurrent up to 3000Mbps
Operating band	2.4GHz 5.8GHz
Antenna	4PCS 8dBi 5G Antenna 4PCS 8dBi wifi Antenna
5G NR	NSA n1/ 2/ 3/ 5/ 7/ 8/ 12/ 13/ 14/ 18/ 20/ 25/ 26/ 28/ 29/ 30/ 38/ 40/ 41/ 48/ 66/ 70/ 71/ 75/ 76/ 77/ 78/ 79
	SA n1/ 2/ 3/ 5/ 7/ 8/ 12/ 13/ 14/ 18/ 20/ 25/ 26/ 28/ 29/ 30/ 38/ 40/ 41/ 48/ 66/ 70/ 71/ 75/ 76/ 77/ 78/ 79
LTE	LTE-FDD B1/ 2/ 3/ 4/ 5/ 7/ 8/ 12/ 13/ 14/ 17/ 18/ 19/ 20/ 25/ 26/ 28/ 29/ 30/ 32/ 66/ 71
	LTE-TDD B34/ 38/ 39/ 40/ 41/ 42/ 43/ 48
	LAA B46
UMTS	WCDMA B1/ 2/ 4/ 5/ 8/ 19
GNSS	GPS/ GLONASS/ BDS/ Galileo/ QZSS
5G SA Sub-6	DL 2.4 Gbps; UL 900 Mbps
5G NSA Sub-6	DL 3.4 Gbps; UL 550 Mbps
LTE	DL 1.6 Gbps; UL 200 Mbps

WCDMA	DL 42 Mbps; UL 5.76 Mbps
Output Power	11n: 17dBm±1dBm 11g: 17dBm±1dBm 11b: 19dBm±1dBm 11a: 19dBm±1dBm 11ac: 18dBm±1dBm 11AX: 19dBm±1dBm
Receiving sensitivity	11N HT20 MCS7: -72dBm 11N HT40 MCS7: -69dBm 11G 54Mbps: -74dBm 11B 11Mbps: -86dBm 11A 54Mbps: -73dBm 11AC VHT20 MCS8: -66dBm 11AX VHT20 MCS8: -66dBm
Antenna	4 x 8dbi high gain omni-directional wifi antennas, 4 x 8dbi high gain omni-directional 4G5G antennas
Interface	1*2.5G WAN\LAN port with automatic MDI/MDIX with LED 1*10/100M/1000M LAN ports, auto MDI/MDIX with LED 1*M.2 1*MINIPCIE 1*SD 2*Nano SIM card
Waterproof rating	IP66
LED	WIFI
Button	1 Reset button,
Power adapter	POE 12V-36V
Maximum power consumption	<24W
Color scheme	white
Accessories and Packaging	POE 12V/36A Super Category 5 network cable *1PCS Bracket
Software Specifications	
Factory default settings	IP address:192.168.88.1 User/password:root/admin
WAN access mode	PPPoE, dynamic IP, static IP
Operating Mode	ROUTER (can be customized to add AP mode);
DHCP server	DHCP servers. Client lists. Static address assignment.
Virtual Server	Port forwarding. DMZ hosting.
Supportable system	Original SDK, openwrt
Security Settings	Wireless encryption, support WEP, WPA, WPA2 and other security encryption modes
DDNS	Support

VPN	Support
WEB Theme Switching	Support
Bandwidth Control	Support
Static Routing	Support
System log	Support
Other useful functions	Configuration file import and export Web software upgrade ...
Other specifications	
Working Environment	<p>Operating temperature: -25°C to 70°C.</p> <p>Storage temperature: -40°C to 70°C.</p> <p>Operating humidity: 10% to 90%RH non-condensing.</p> <p>Storage humidity: 5% to 90%RH non-condensing.</p>