5G NR/LTE

AX3600 MESH

VoLTE/VoNR

VPN

IP66

Transform **5G** signal to your High Rate **Wi-Fi 6**

CPE6532
ODU 5G CPE

Key Features

Key Benefits
• 3GPP Release 15 standards
• Worldwide 5G and LTE-A coverage
• Support both NSA and SA modes
• WiFi6
• PoE
• VoLTE/VoNR*
• VPN

High Rate WIFI 6
• AX3600
• MESH
• 4*4 MU-MIMO
• Beamforming

High Performance Antennas
• Internal 5G NR/LTE antennas
• Internal WiFi antennas
• Multi-frequency coverage
• High Gain

Security assurance
• Stable firewall
• Multiple filtering rules
• Multiple security protocols
• Online update and maintenance

Ideal Use Case
• Enterprise
• Smart Park
• Outdoor deployment

Overview

CPE6532 is a 5G outdoor CPE. It supports the 3GPP Release 15 standard and implements the conversion between 5G NR wireless date and local ethernet/WiFi data. The IP66 shell ensures the device can work stably in the outdoor environment.
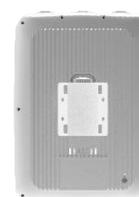
High Performance

CPE6532 supports both NSA and SA modes. And the WLAN supports the newest IEEE 802.11ax standards. The AX3600 WiFi data rate can easily supply the high-quality network applications. The MU-MIMO and beamforming function can ensure the high data rate and signal quality when several users are using simultaneously.

Versatility

Besides the basic 5G NR and WLAN functions, CPE6532 also support VoLTE, SMS, firewall, VPN, QoS, etc. It satisfies the multi-directional requirements of users. Multiple management and maintenance methods (TR069/CLI/APP) are convenient for checking and operating. The software online update tool will also constantly provide the upgrade of these functions.

High Ingress Protection

CPE6532 supports the IP66 protection rating. The closed shell is dust-tight and protected from moisture challenge up to intense jetting water, which can easily overcome the terrible outdoor environment. The operating temperature is -30°C ~ 65°C.

Hardware Specification

5GNR/4G LTE	**Standards**	3GPP R15, CAT20
	Mode	NSA & SA
	Frequency Band	5G NR: n1*/n3*/n5*/n7*/n8*/n20*/n28*/n38*/n40*/n41/n77/n78/n79 LTE-FDD: B1/3/5/7/8/18/19/20/26/28/32 LTE-TDD: B34/38/39/40/41/42/43 WCDMA: B1/2/3/4/5/6/8/19
WiFi	2.4Gz & 5GHz IEEE 802.11 a/b/g/n/ac/ax 4T4R	
Antennas	**NR/LTE**	NR 2T4R
		LTE LB 2T2R
		LTE MHB 2T4R
	WiFi	2.4GHz 4T4R
		5GHz 4T4R
Interface	LAN ports 2*GE (1PoE) Phone port 1*FXS (optional) SIM slot (3FF)	
Indicators	POWER/SYS 5G NR LTE INTERNET PHONE 2.4G WiFi 5G WiFi LAN	
Power	Power over Ethernet (PoE) Power consumption: <30W	
Environment	Ingress protection rating: IP66 Operating temperature: -30°C to 65°C Storage temperature: -40°C to +70°C	
Other	Dimensions: 280*198*60mm	

Software Specification

Network Protocols and Features	● Connection modes: PPPoE/DHCP/Static ● IPv4, IPv6, IPv4/IPv6 ● DHCP v4/v6 server ● Static (v4/v6) routing and RIP-1/2,RIPng ● NAT/ALG/DMZ/Virtual server ● ARP/ICMP/DNS proxy ● Dynamic Domain Name System (DDNS) ● IGMP snooping/IGMP proxy ● MLD snooping/MLD proxy ● NTP ● VLAN ● PPTP/L2TP/IPSec*
Wireless Module	● Auto/manually network search ● SIM/BAND/Cell/PLMN Lock
WLAN	● IEEE 802.11 a/b/g/n/ac/ax ● 2.4GHz/5GHz ● 20/40/80/160 MHz ● MSSID (8) + Guest Network ● WEP/WPA/WPA2/WPA3* ● AP/SSID isolation ● MSSID online list ● WiFi Son/EasyMESH* ● Beamforming & MU-MIMO
Firewall	● Built-in NAT firewall ● Firewall level setting ● Defense of DoS/ARP attacks/Port scan ● DHCP/ARP/IGMP message suppression ● MAC/URL filtering ● Inflow/outflow filtering of IP/Protocol/Port
Management	● WebUI ● TR069/STUN ● Online and local software update/rollback ● Syslog monitoring ● Local and remote diagnostic

*: means under development and will be supported in the 2nd stage.