

**JT8900D** is a most advanced 5G NSA/SA 5G NR Sub-6G outdoor data unit specially designed to meet the most challenging demands of today's high-speed wireless backhaul and fixed wireless access deployments by the 5G/4G/3G service operators. The unit can support multiple TDD & FDD band operations. Multiple operator network support can also be provisioned on the unit to allow the deployment across entire country with different operators.

JT8900D is designed to meet the stringent operation environment for outdoor CPE devices. The device MTBF time is expected to be above 80,000 hours. Depending on the network configuration and DL/UL split ratio configuration, the unit can provide up to 4.3Gbps max throughput over the air. The typical coverage should be more than 15km with reasonably good throughput performance.

JT8900D provides Gigabit PoE connection to connect user terminal device such as indoor router or Wi-Fi AP products. The unit PoE interface can also work with standard PoE switches or router products. The product comes with PoE power adapter and mounting bracket accessories for quick self-installation.

JT8900D is a user-friendly 5G NSA/SA 5G NR Sub-6G CPE that is easy to install and maintain. The unit is fully integrated and comes with all the necessary device drivers pre-loaded. Subscribers just connect the device to their computer or home switch/router and the device is ready to offer an experience of surfing over Internet. The IP addresses can be dynamically obtained via DHCP.

JT8900D offers rich management features which facilitate the task of service provider. It supports local management access, Telnet, WEB, and centralized remote OTA configuration, upgrades management and device monitoring via standard TR-069 ACS systems. JT8900D can remote access management via 2.4GHz WiFi connection

<b>Chipset</b>	Qualcomm SDX55
<b>Dimensions</b>	328mm x 315mm x 97mm (n40/41/77/78/79) 328mm x 315mm x 164mm (Wide band)
<b>Weight :</b>	<2.5Kg
<b>Power Adapter</b>	Input : 100-240V 50/60Hz 0.75A MAX Output : DC 48V/0.5A (Gigabit PoE)
<b>Power</b>	< 12W
<b>Data Interface</b>	1 RJ45 GE ETH Port (PoE)
<b>LED Indicator</b>	PWR, SYS, NET, SIM, ETH, RF (5 Signal intensity LEDs)
<b>SIM Card</b>	1.8V/3.0V USIM 2FF
<b>Environment</b>	Operating Temperature, -40°C to 55°C Storage Temperature, -45° C to 85° C Humidity, 95% max Non-condensing
<b>Ingress Protection Rating</b>	IP67
<b>Regulatory</b>	CE / FCC

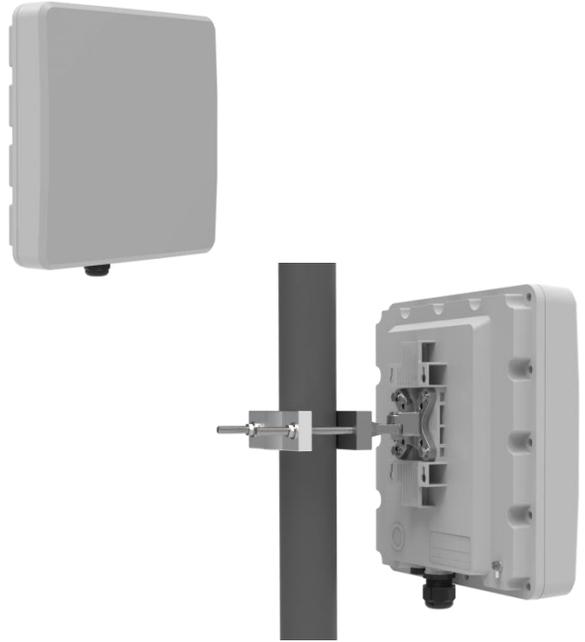
<b>Networking Configuration</b>	Router and L3 Bridge Operation Support Built-in DHCP Server for LAN Devices IPv4, and IPv6 DS-Lite Support for LTE Multiple PDN Interface Support
<b>Data Networking Features</b>	VPN Pass-through support (PPTP, L2TP & IPsec) Built-in L2TP & GRE Tunneling Client Support DNS Proxy Support Firewall & Access Control DMZ and Virtual Server Support IP and Port Forwarding Support Local and Remote Management Restriction Application Firewall Support NTP Service Support LAN Device Access Control
<b>Device Management</b>	CLI, Telnet, HTTP and HTTPS Management Interfaces Standard Based TR-069 Management FTP and HTTP OTA Firmware Upgrade USIM and PLMN Locking Support Device Factory Default Setting



## RF Interface

<b>Radio Access</b>	3GPP Release 15 5G NSA/SA 5G NR Sub-6GHz LTE-TDD/LTE-FDD/WCDMA
<b>Operation Mode</b>	700 ~ 960MHz (2 x 2) 1700 ~ 2700MHz (4 X 4) 3300 ~ 5000MHz (4 X 4)
<b>Output Power</b>	23dBm (2Tx)
<b>Receive Sensitivity</b>	Compliance with 3GPP standard
<b>Frequency Band</b>	5G: n1/2/3/5/7/8/12/20/25/28/38/40/41/66 n77/78/79 LTE: B1/2/3/5/7/8/12/20/25/28/38/39/40/41/42/43/ 48/66 WCDMA: B1/2/3/4/5/8
<b>Antenna Gain</b>	617 ~ 960MHz Band 6.5dBi 1700 ~ 2700MHz Band 10.5dBi 3300 ~ 5000MHz Band 15dBi

## Model ID

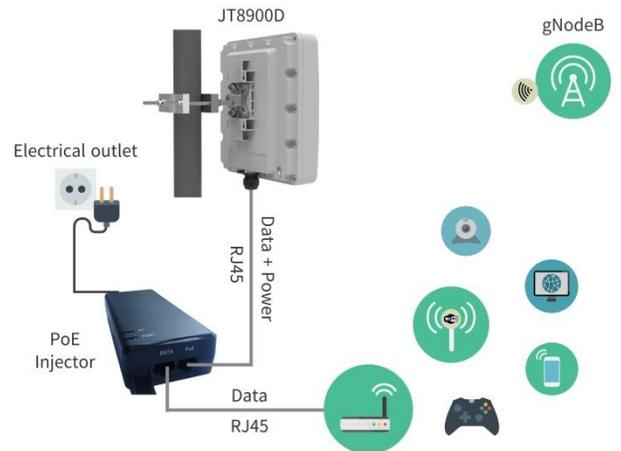


## Installing



Installing ODU – Clamp

## Connect Device



Insert SIM Card

RF Signal Adjustment



## Packing List

