

# ZLT P11

## LTE CAT4 ODU



ZLT P11 is a high-performance wireless communication product developed based on 4G network requirements. It is mainly used for data transmission services, equipment monitoring, wireless routing and other functions. ZLT P11 adopts high-performance processor, which can process protocol and large amount of data at high speed. It can be used with a variety of 4G CAT4 module, providing 802.11b/g/n Wi-Fi access.

## ODU HW Specifications

Spec	Description
Chipset	SQN3220SC / Sequans
LTE standard	LTE CAT4 FDD:150Mbps(DL)/50Mbps(UL) TDD:110Mbps(DL)/10Mbps(UL)
Memory	ROM: 64MB NAND Flash
	RAM: 32MB DDR
Indicators	ODU: POW/SIM/ETH/RUN/SIGNAL IDU: POW/SIGNAL/WIFI/INTERNET /WAN/LAN
Buttons	RESET Button
Interfaces	ODU: 1. FE WAN Port * 1 (POE) 2. SIM Slot * 1 IDU: 1. FE LAN Port * 2 2. FE WAN Port * 1 3. RJ11 Port * 1 (Optional) 4. DC Socket
SIM	USIM(2FF) Support 1.8V & 3.3V
Power Supply	AC100V~240V,50Hz~60Hz DC 15V DC±10% 0.5A
Dimensions	ODU: 180mm*132mm*48mm IDU: 125x93x27(mm)
Weight	ODU: 750g IDU: 125g

## Environment Specifications

Feature	Capability
Operating Temperature	-20°C~55°C
Storage Temperature	-20°C~70°C
Operating humidity	95% Maxton-condensing
Storage humidity	95% Maxton-condensing

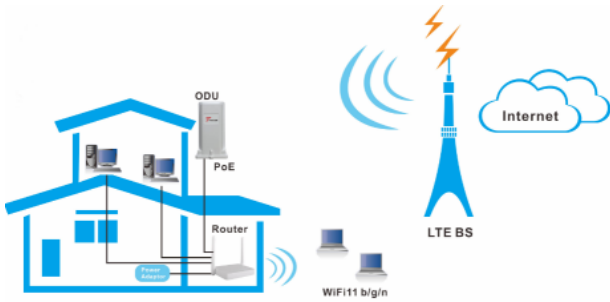
## RF Specifications

Feature	Capability
Supported Bands	Available Today: LTE TDD: B42/43
	Need to deeply customize: LTE TDD: B38/39/40/41(200M)/ LTE FDD: B1/3/7/20
LTE MIMO	MIMO 2*2(1TX 2RX)
LTE Tx	1 Tx
LTE Output Power@25°C	23±2 dBm
LTE Antenna	2 Built-in
LTE Antenna Gain	Directional Antenna > 6dBi (for high frequency bands) Omnidirectional Antenna: 2600MHz: 5dBi 1800MHz: 3dBi 700MHz: 1.5dBi
LTE Peak Throughput	DL 150 Mbps, UL 50 Mbps
Wi-Fi Frequency	2.4 GHz
Wi-Fi Output Power	15 dBm/2.4G
Wi-Fi Antenna	2 External
Wi-Fi Antenna Gain	3 dBi
Wi-Fi Channel BW	20MHz, 40MHz
Wi-Fi MIMO	MIMO 2*2 (2T2R)
Wi-Fi Concurrent Users	Up to 32

If the LTE antenna supports all frequency, the antenna gain will be lower than the value in table.

## Topology

Topology based on LTE WAN network



## Software Specifications

Spec	Description
<b>Language</b>	English
	Chinese
	Could be customized
<b>Https/http</b>	Both
<b>User login</b>	Support two users (user and admin) with different limitation and display
<b>SMS</b>	Write/send/receive short messages Send/receive extra-long messages
<b>LTE Network Setup</b>	Create/delete/edit APN
<b>IPv4v6 dual stack</b>	Support IPV4, IPV6, IPV4V6
<b>Wi-Fi/WLAN Setup</b>	SSID/Key, SSID broadcasting and hiding, Security Mode: None (Open), WPA2-PSK(AES), and WPA/WPA2-PSK(TKIP/AES) WPS Setup, Wi-Fi MAC Filter, Wi-Fi Advanced Settings.
<b>DHCP Setup</b>	Enable/disable DHCP server Configure DHCP IP Pool Configure DHCP Lease Time
<b>DNS Setup</b>	Support the auto DNS or manual DNS configuration
<b>SIM Card</b>	PIN Management
	SIM card Authentication

<b>Backup/Restore</b>	Backup current settings and restore the backup settings
<b>Diagnosis</b>	Ping/Trace
<b>Statistics</b>	Link Status (LAN/Wi-Fi Connected Devices)
	Transmit / receive traffic in packets
	Up Time
<b>Multi-APN</b>	2
<b>VPN</b>	PPTP/ L2TP/ GRE VPN PASSTHROUGH
<b>4G status</b>	Signal strength
	Network type
	Network connection status
	Operator name, system mode
	SIM card status
<b>Cell lock</b>	Support
<b>Carrier SIM Lock</b>	Support
<b>Work mode</b>	NAT/ Router mode
<b>Voice</b>	VoIP (Optional)

## Device Management

Spec	Description
<b>Software Update</b>	Full image upgrade Web UI update TR069 update
<b>TR069</b>	Support HTTP/HTTPS ACS, Support upload/download the ACS specified file, Support download configuration file, Support configure & queries parameters, Support remote upgrade, Support cycle monitor

<b>Syslog</b>	Support the syslog function can send the log to the PC via LAN/Wi-Fi
<b>Diagnostics</b>	Support the Ping and trace route and TCPDUMP.

## NAT Mode

<b>Spec</b>	<b>Description</b>
<b>NAT</b>	Support NAT by default
<b>Firewall</b>	Can enable or disable the firewall
<b>Router protocol</b>	Static Route
<b>ALG</b>	Support

<b>Functions</b>
Allow HTTPs login from WAN
HTTPs Login Port from WAN
DMZ IP Address
Support the IP filter
Support the MAC Filter
Support the URL Filter
Support Port filter
Support Port forwarding

## Wi-Fi Features

<b>Functions</b>
Users can turn on/off WLAN function through Web UI.
Support configuration WLAN functions through Web UI, include: SSID, SSID broadcasting turn on/off, Channel, rate and mode
Support encryption: None (Open), WPA2-PSK(AES), and WPA/WPA2-PSK(TKIP/AES)
Wi-Fi protocol support: IEEE 802.11 b/g/n (2.401 – 2.483 GHz)
Wi-Fi max. users: 32
Support SSID broadcasting
Support Wi-Fi channel self-adapt and select

## Firewall Features