



## **SC-3012-4GR 4G LTE Outdoor WIFI AP Router with Band 40 & other Bands (ODU)**



**SC-3012-4GR** outdoor wireless router is a high performance outdoor CPE. It has the superior wireless access performance and comprehensive routing capabilities, which have the abilities to bring the mobile operators or the vertical market to rapidly deploy wireless services as soon as possible.

### **Specifications**

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#### **RF Specifications**

Support Bands	FDD 1/2/3/4/5/7/8/20/28 TDD 38/ <b>40</b> /41/42/43/48
CA	Inter/Intra 2CA
MIMO	DL 2*2, DL 4*4
Tx	1 Tx, 2Tx Default 1 Tx supported.
Output Power at 25°C	23±2 dBm
LTE Antenna	LTE Antenna Gain If the antenna support all frequency, the antenna gain will be lower than the

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value in table

### Router Mode

LAN	Can be set 2 IP addresses on the LAN and for 2 different Network.
WAN	WAN IP can be set dynamic or static.
Router protocol	(Not support for current model)
DNS	Can be set up
Multiple APN	Up to 4 APNs support, and can set up the static router for each APN

### Bridge Mode

Data traffic forward	Forward the data traffic between the LTE network and PCs.
Maximum 4 PCs support	Each PC connect to the LTE public network via one APN
Module can be managed	One APN can be allocation for the module and the module can be managed via TR069 (remote update version)
Public IP allocation	PC get the public IP dynamic from the DHCP server in the CPE. The IP is public CPE get from LTE network.
Multiple APN	Up to 4 APNs support, and can set the static router for each APN

### NAT Mode

NAT	Support NAT function
Firewall	Can enable or disable the firewall
Module can be managed	One APN can be allocation for the module and the module can be managed via TR069 (remote update version)
Multiple APN	Up to 4 APNs support, and can set the static router for each APN
DMZ	The DMZ can be set.
DHCP server	Support the DHCP server
DNS	Support the auto DNS or manual DNS configuration

### SOFTWARE

LAN	1000Mbit/s MDI/MDIX auto-sensing IEEE802.3/802.3u is compatible
Throughput	TDD DL 260Mbps UL50Mbps FDD DL 300Mbps UL75Mbps
Statistics	Link Status (LAN) Transmit / receive traffic in packets Up Time
Support	Language Settings: <b>English</b> NAT/Bridge/Router mode The http or https web server Two users (admin user and normal user) and different limitation and display

PIN Management, SIM card Authentication  
 Encryption backup current settings and restore the backup settings  
 Current diagnosis results and operation logs  
 Multi-APN  
 VPN  
 IPV 6/IPV 4 dual stack  
 Full band or preferred band and frequency  
 PCI lock (Cell lock)  
 Only carrier SIM shall work in the CPE  
 BIP

## HARDWARE

Ethernet LAN Port/POE input	One Gigabit RJ-45 PoE LAN Port 10/100/1000 auto-sensing, auto-MDI/MDIX
LTE standard	3GPP Release 10/11 Cat5, Ca6, Cat7(optional)
Flash	2Gb
DDR	1Gb
Power Supply	Gigabit POE Typical value 24V/48V
Maximum Power Consumption	<7w
IP rating	IP65
LED	Power/WAN/LAN/SIM/ Signal Strength (Four Bars)
USIM	Support 1.8V/3.0V 2FF USIM
RJ45	1 (Gigabit)
Reset	Button
Antenna	4 directional antenna

## Device Management

Version Rollback	Auto Rollback to previous version when upgrade fail
Software Upgrade	Full image upgrade
HTTP/FTP Auto Upgrade	Firmware upgrade manually Enable / Disable Upgrade Firmware Upgrade URL Version file Check new firmware every (hr.: 1~744) Start Time Random Time

TR069	Supports upload / download the ACS specified file Support download CPE configuration file Support configure & queries parameters (Can be customized) Support remote upgrade Support CPE version update Supports debugging operations Support cycle monitor
Port mirror	Can enable or disable the port mirror function
syslog	Support the syslog function can send the log to the PC via LAN.

### Firewall Features

Firewall Configuration	Allow Ping from WAN Allow HTTPs login from WAN HTTPs Login Port from WAN DMZ IP Address Redirect ICMP to the Host
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Support	IP filter MAC Filter URL Filter UPnP Port forwarding
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### Environment Specifications

Temperature	Operating: -30°C ~ 55°C Storage: -40°C ~ 85°C
Humidity	Operating: 10 ~ 90% Storage: 5 ~ 95%

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