



LTE - U u4G-UE1000



Unlicensed. Untethered. Unstoppable.

The u4G-UE1000 operates on 5.8GHz band to bring wireless broadband data and voice services to end-users. It provides superior wireless access performance and comprehensive routing capabilities through high-speed LTE TDD/FDD signals which are converted to WiFi signals on the local area network (LAN).

Easy Management

Manage this device locally and remotely through a convenient, simple GUI-based platform

Plug-and-Play

User-friendly LED's, easy pole or wall mounted installations and WiFi assisted alignment let you get this device up and running in no time

LTE Standard

This CPE complies with 3GPP Release 9 CAT4 Standards allowing it to connect seamlessly with other LTE base stations

Compact & Lightweight

Easily install on the side of a house with minimal hassle. This device will remain inconspicuous while providing maximum connectivity

Technical Specifications

Hardware

UE-Category: 3GPP R9, CAT 4

USIM Slot: 1.8V/3.0V USIM 2FF

Ethernet Port: 1 RJ45, LAN, 10/100/1000 auto-sensing, auto-MDX, PoE at/af

Power Supply: Input: Universal range 100V~240V AC

Output: standard PoE (at/af)

Reset Button: Tactile button. Long press over 10s to restore the factory settings

LED Indicators: MIU/LTE/SIM/LAN/PWR/LTE Signal

Backhaul: 1 Optical (SFP) & 1 RJ-45 Ethernet (1 GE with POE+)

MIMO: DL: 2 x 2

Dimensions: 241mm (H) x 154mm (W) x 50mm (D)

Weight: About 900 g

LTE

LTE Mode: LTE-TDD/FDD

LTE Bands: Band 46 and self-define frequency

TDD: DL/UL 5725MHz ~ 5925MHz

FDD: DL 5725MHz ~ 5925MHz/UL 5150MHz ~ 5250MHz

TXRX: 1T2R

Peak Rate: TDD: DL: 110Mbps UL: 15Mbps (2:7)

FDD: DL: 150Mbps UL: 50Mbps

Channel Bandwidth: 5MHz/10MHz/15MHz/20MHz

Modulation: UL: QPSK, 16QAM

DL: QPSK, 16QAM, 64QAM

Receive Sensitivity: -93dBm @ QPSK, 20MHz, 25°C

MAX Output Power: 22dBm (± 2)/TX ANT

Antenna Type: Internal directional antenna

Antenna Gain: S14dBi@5150MHz ~5925MHz, 2 Ports

Polarization: $\pm 45^\circ$

Antenna Efficiency: >85%

Isolation: ≤ -25 dB

VSWR: ≤ 2

Horizontal Beam Width (3dB): $45 \pm 3^\circ$ @5150MHz ~5925MHz, 2 Ports

Vertical Beam Width (3dB): $15 \pm 3^\circ$ @5150MHz ~5925MHz, 2 Ports

Technical Specifications

WiFi (for alignment)

Standard: IEEE 802.11b/g/n

Channel Bandwidth: 20MHz/40MHz

Frequency: 2.4GHz

TXRX: 1T1R

Peak Rate: 802.11b: 11Mbps

802.11g: 54Mbps

802.11n: 300Mbps

Modulate: DSSS/CCK, OFDM

Sensitivity: -64 dBm@65Mbit/s, typical for 802.11n

-65 dBm@54Mbit/s, typical for 802.11g

-76 dBm@11Mbit/s, typical for 802.11b

MAX Output Power: 10±3dBm

Antenna Type: Internal omni-antenna

Antenna Gain: 0dBi



Software

Language Support: English/Chinese

Network Mode: NAT/Router/Bridge

IP Protocol: IPv4/IPv6

SIM Management: PIN Management, SIM Lock

Network Connection Management: Auto/Manual

LTE Scan Mode: Full band scan, Frequency Lock

WLAN: WiFi for CPE Alignment

MAX Output Power: 10±3dBm

VPN: L2TP L2/L3

GRE L2/L3

NAT: Port forwarding

DMZ

ALG

Port Trigger

Firewall: IP/MAC/URL Filter

Access Control

Block Port Scanner / SYN Flood

SPI Filter

Network Management: TR069

Diagnostics: TCPDump

Ping

Trace route

Statistics: LTE Status/Connection Time/System Up Time

Device Status

DHCP Client List

WiFi Station List

LTE Status

Firewall Status

Maintenance: Date & Time setting

Reboot

Restore factory settings

Restore / Back up configuration file

Firmware upgrade locally/OTA (over the air)

System Log: Operating Log

Run-time Log

Filter/Select/Display/Export Log

Antenna Select: N/A

Technical Specifications

Environmental

Operating Temperature: -40°C to 55°C

Storage Temperature: -40°C to 70°C

Operating Humidity: 5% to 95%

IP Level: IP65