

INDOOR LTE CPE-0001

MULTI-FUNCTIONAL WIRELESS 4G LTE ROUTER



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PRODUCT DESCRIPTION



CPE-0001, is a multi-functional wireless 4G router for home & professional M2M applications.

It uniquely offers connectivity options via either a physical SIM card or Virtual SIM card.

CPE-0001 is widely used for home internet, rural internet, mobile applications, 4G backup, Remote Connection, and IoT.

Can be controlled via a Remote Management Portal for live data monitoring, management, and troubleshooting.

CPE-0001 activates within minutes time.

CONNECTIVITY

4G/LTE (Cat 7 & Cat 13)

WIFI

Wireless Access Point with both physical and virtual SIM card

MIMO

LTE Multiple-Input Multiple-Output (MIMO) 2X2

SPEED

Up to 1200Mbps

BAND

Dual-band, 2.4GHz + 5GHz

RMS

Compatible with the CPE-0001 Remote Management System



vSIM TECHNOLOGY



LTE ANTENNAS

- 2 External Antennas

ETHERNET PORTS

- 5 Ethernet Ports
 - 4 x LAN
 - 1 x WAN

WIFI ANTENNAS

- 4 External Antennas
 - 2 x 2.4GHz
 - 2 x 5.8GHz

INDICATOR LIGHTS

- Power Indicator LED
- vSIM Indicator
- LTE Indicator
- 2.4Ghz + 5.8GHz Wifi
- Sim Indicator
- + See LED Section

GENERAL INTRODUCTION

CPE-0001, is a multi-functional wireless 4G LTE Cat 7 CPE, providing 4G LTE internet from both physical SIM card and Virtual SIM card. Compliant with IEEE 802.11b/g/n/ac standards, the CPE-0001 can support up to 1200Mbps Wireless with Dual-Band WIFI 2.4GHz + 5GHz. With an embedded 4G LTE cat7 MTK module, it works well with all the mainstream frequency bands for 4G LTE up to 300Mbps. The CPE-0001 can also be easily managed.

INDUSTRIAL DESIGN



KEY FEATURES

HARDWARE

Mobile	4G/LTE (Cat 7 & Cat 13)	
Main CPU	RTL8197FH-VG5-CG	Single Core 1.0GHz
Memory	128MB	128MB 16-bit DDR2
Buttons	Reset, WPS	
SIM	Micro SIM Slot	
Antennas	4 WiFi External Antennas (2 x 2.4GHz; 2 x 5.8GHz); 2 External LTE Antennas	
Ethernet Ports	LAN - 4 x RJ45 10M/100M/1000M; WAN - 1 x RJ45 10M/100M/1000M	
MIMO	2*2 MU-MIMO	
Led	Power Indicator LED; VSIM Indicator; LTE Indicator; 2.4GHz WiFi; 5.8GHz WiFi; SIM Indicator; Signal LED (3 LED); WAN/LAN LED	
Temperature	Working: 0°C~40°C; Storage: -30°C ~ 70°C	
Shell Material	Metal	
Dimensions	180*130*30mm	
Weight	< 1500 g (including packaging)	

SOFTWARE

Configuration	Handover between Physical and Virtual vSIM
Local WEB GUI	Manage the CPE device
Debug Mode	RSSI level; Packet error rate; CINR; Dynamic Tx power; Modulation
Encryption/Decryption	AES; SNOW3G; NULL
Power Control	DL Power Control; UL Power Control
Admin management	Admin setting change; Device reboot, reset; Gateway setting
Device Info	Device model; IMEI; CCID; LTE module ID; HW、SW version; MAC; SN; Vendor info SIM carrier; connection status; Device time; IP address; connection time; Sending and receiving messages; Language setting
Software update	FOTA and local update
TDD Bands	B34/B38/B39/B40/B41
FDD Bands	B1/B2/B3/B4/B5/B7/B8/B12/ B13/B17/B18/B19/B20/B25/ B26/B28/B29/B30/B66/B71
WCDMA Bands	B1/B2/B4/B5/B8

REMOTE MONITORING SYSTEM

Compatible with the CPE-0001 Remote Management System