outdoor CPE datasheet

——SHFi4G8X4 outdoor CPE

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1 Introduction

1.1 Outline

SHFi4G8X4 is an outdoor CPE, user can use it to access the internet through LTE/WCDMA/GSM.

1.2 Key Features

- Based on LTE international standard, to provide high-speed data services, Category 4class, the maximum transmission rate is UL：50Mbit/s,DL：150Mbit/s.
- Support all LTE uplink and downlink time slots ratio, to meet the different needs of business applications.
- Support WiFi 802.11b/g/n，2x2 MIMO，the maximum transmission rate is 300Mbit/s。
- Support WiFi maximum output power 27dBm，achieve wider coverage。
- Support PoE, only one network cable needed to achieve data transmission and power supply,convenient for ourdoor installation.
- Support DHCP Server、DNS Client and NAT function，with strong high-speed routing capabilities.
- Support multiple security policies, provide real-time protection against unlawful instruction.
- Support IP65 waterproof and dustproof level,can work at minus 40℃, meet the requirements of harsh environment application.
- Support wall and pole installation, easy deployment and installation.

2 Hardware Specification

Parameter	Description	Remark
Size	242x110x75mm	
Weight	＜800g	
Power	DC 9~36V	
Dissipation	＜15W	
Protocol	LTE：3GPP Release 9 TD-SCDMA：3GPP Release 8 WiFi：IEEE 802.11b/g/n	
Frequency	TD-LTE： Band38:2570~2620MHz	B42/43 Optional(need

Parameter	Description	Remark
	Band39:1880~1920MHz Band40:2300~2400MHz Band41:2496~2690MHz LTE FDD： Band1:1920~2170MHz Band3:1710~1880MHz Band7:2500~2690MHz TD-SCDMA： Band34:2010~2025MHz Band39:1880~1920MHz GSM： Band2:uplink 1850~1910MHz/downlink1930~1990MHz Band3:uplink1710~1785MHz/downlink1805~1880MHz Band5:uplink824~849MHz/downlink869~894MHz Band8:uplink880~915MHz/downlink925~960MHz WiFi：2.4~2.4835GHz	change the 4G module into Sequans solution)
Maximum output power	LTE/TD-SCDMA：23±2dBm GSM：33±2dBm WiFi：27dBm	
Receive sensitivity	LTE：-94dBm TD-SCDMA：-108dBm GSM：-102dBm WiFi： -66dBm@MCS7/15(802.11n HT40) -70dBm@MCS7/15(802.11n HT20) -72dBm@54Mbps(802.11g non-HT20) -90dBm@11Mbps(802.11b CCK) -91dBm@6Mbps(802.11g non-HT20) -96dBm@1Mbps(802.11b CCK)	

Parameter	Description	Remark
Antenna gain	LTE/TD-SCDMA/GSM：≧3dB(built-in) WiFi：≧3dB(built-in)	
Interface	1x10/100M LAN interface 1xSIM Card interface	
Temperature	Operating temperature: -40 ~ 70℃ Storage temperature: -40 ~ 85℃	
Humidity	Operating humidity: 5 ~ 95％(Non-condensing)	
Waterproof and dustproof level	IP65	
Lightning	LAN interface:≧2.5KV	
Installation	Pole installation, wall installation	

3 Software Specification

Parameter	Description
Gateway Specification	Router： Support IPv4 Support static routing
	Support Dynamic NAT translation
	Support DHCP Server/Client
	Support default routing,ARP,ICMP,IGMP/IGMP Proxy
Data Service	LTE：DL 150Mbit/s　UL 50Mbit/s
	WiFi：300Mbit/s
	Maximum number of user：64
Firewall	Support firewall function Support MAC filtering Support IP filtering Support URL filtering
	Support DMZ function
	Support virtual server function
Security Policy	Support WiFi access authentication:：802.1x、WEP、WPA、WPA2
	Support WiFi MAC filtering
	Support PIN and PUK SIM card security
Operating and	Support local maintenance

maintenance	Support remote maintenance Support online state management Support configuration management Support software upgrade Support system log

4 Appendix



1 front view



2 back view



3 side view