

AtomOD06T CAT6 EG8923T

Indoor Customer Premise Equipment Datasheet



INTRODUCTION

Baicells Networks CAT6 Outdoor User Equipment (UE) brings broadband data services to end-users and it can support LTE network.

The product can connect with wireless and wired devices, including mobile phones, laptops, tablets, and other smart devices, can simultaneously access the CPE.

The product comes with a standard one-year warranty; an extended warranty is available.

HIGHLIGHTS

NOTE: Features can vary based on model or region.

- Supports LTE FDD and TDD Bands
B1/3/5/7/8/20/28/38/40/41
- Supports WCDMA Bands
B1/5/8
- Complies with 3GPP Release 10 CAT6 standards
- 1000 Mbps Ethernet interface
- TDD Peak data rate of up to DL 220 Mbps, UL 30 Mbps
- FDD Peak data rate of up to DL 300 Mbps, UL 50 Mbps
- 64QAM for DL and 16QAM for UL as the highest order modulation formats.
- GUI-based local and remote Web management
- Excellent Non-Line-of-Sight (NLOS) coverage
- Supports TR069 network management protocol
- Cell lock, SIM lock, and pin lock
- User-friendly LED status indicators
- Transparent bridge mode (L2 Support).
- Support GPS

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TECHNOLOGY

LTE Standard	3GPP Release10, CAT6
LTE Mode	FDD and TDD
Channel Bandwidth	5/10/15/20 MHz
Frequency Bands	LTE TDD Mode: B1 (UL:1920 MHz - 1980 MHz)(DL:2110 MHz - 2170 MHz) B3 (UL:1710 MHz - 1785 MHz)(DL:1805 MHz - 1880 MHz) B5 (UL:824 MHz - 849 MHz)(DL:869 MHz - 894 MHz) B7 (UL:2500 MHz - 2570 MHz)(DL:2620 MHz - 2690 MHz) B8 (UL:880 MHz - 915 MHz)(DL:925 MHz - 960 MHz) B20 (UL:832 MHz - 862 MHz)(DL:791 MHz - 821 MHz) B28 (UL:703 MHz - 748 MHz)(DL:758 MHz - 803 MHz) B32 (DL:1452 MHz - 1496 MHz) B38 (2570 MHz - 2620 MHz) B40 (2300 MHz - 2400 MHz) B41 (2496 MHz - 2690 MHz)
Multiplexing	DL 2X2 MIMO
Security	Firewall: IP/MAC/URL filter; ACL rule

INTERFACE

Ethernet Interfaced	1* RJ-45 port 10/100/1000 auto-sensing, auto-MDX
Protocols Used	IPv4, UDP, TCP, IP, ICMP, SNMPv2c, SNMPv3c, HTTPS, SSH, TELNET, TR069
Network Management	Web GUI, ACS, OMC, SNMP
VLAN	802.1Q

PERFORMANCE

Peak Rate	20MHz	DL (2x2 MIMO, 64QAM)	UL (16QAM)
	FDD	300 Mbps	50 Mbps
	TDD	220 Mbps	30 Mbps
Modulation	DL: QPSK, 16QAM, 64QAM		

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	UL: QPSK, 16QAM
Receive Sensitivity	LTE: <-96.3 dBm @ QPSK, 10 MHz, 25°C

FEATURES

Network Mode	NAT or Bridge
SIM	PIN management, SIM lock
Network Connection	Auto or manual
LTE Scan Mode	Full band scan or pci lock
WLAN	MSSID isolation
VPN	L2TP L2/L3, GRE L2/L3(Optional)
NAT	Port forwarding, port trigger, DMZ, ALG
Diagnostics	Ping, traceroute
Statistics	LTE status; connection/system up time; device status; DHCP client list; Wi-Fi station list; firewall status
Maintenance	Date and time setting; reboot; restore factory settings; restore or back up configuration file; firmware upgrade locally or OTA

LINK BUDGET

Antenna Type	Internal directional, 2T2R
Antenna Gain	EG8923T-S40: 11dBi EG8923T-M21: 2~5 dBi
Max Transmit Power	23dBm
Maximum EIRP	EG8923T-S40: 34dBi EG8923T-M21: 25~28 dBi

PHYSICAL

LED Indicators	Power, NET, SIG1, SIG2
USIM	1.8V/3V 4FF
Restore Button	Press for 10 seconds to restore the CPE to its factory settings
Temperature	- Operating Temperature: 14°F to 113°F / -10°C to 45°C - Storage Temperature: -4°F to 158°F / -20°C to 70°C

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Humidity	5%~95%
Power Consumption	<10 W
Power Supply	With POE Adaptor: • INPUT 100-240VAC • OUTPUT 24V POE 0.5A
Weight	TBD
Dimensions	TBD

GLOBAL PART NUMBER

EG8923T-M21	Outdoor Cat6, 2T2R, 2~5 dBi, Band1/3/5/7/8/20/28/32/38/40、41, 1 GE*1, 24V POE 0.5A,GPS
EG8923T-S40	Outdoor Cat6, 2T2R, 11 dBi, Band40, 1 GE*1, 24V POE 0.5A,GPS

NOTE: Customized versions can be requested.