

Modem Cellular 4GPRO LTE



Size:89×29.4×11.9mm

WAN		
RF Capability	LTE Chipset	Marvell 1802
	LTE Channel Bandwidth	1.4/3/5/10/15/20 MHz
	Modulation	Downlink QPSK/16-QAM/64-QAM
		Uplink QPSK/16-QAM
	LTE Authentication	EPS-AKA
	Adaptive Modulation and Coding	Supported
	MIMO support	MIMO 2x2
	Idle Mode	Supported
	Sleep Mode	Supported
	Idle Mode Signaling Reduction (ISR)	Supported
Power Level	TDD-LTE	Power Class 3 (23 +/-3dBm)
	FDD LTE	Power Class 3 (23 +/-3dBm)
	TD-SCDMA	Power Class 2 (24 +/-5dBm)
	UMTS	Power Class 3 (23 +/-2dBm)
	EDGE	Power Class E2 (GSM850/900:33dBm;DCS/PCS:30dBm)
	GPRS	Power Class E2 (GSM850/900:27dBm;DCS/PCS:26dBm)
Sensitivity	TDD LTE	-94 dBm(20MHZ)
	FDD LTE	-93 dBm(20MHZ)
	TD-SCDMA	-108 dBm
	UMTS	-106 dBm
	EDGE	GSM850/900:-98dBm;DCS/PCS:-98dBm
	GPRS	GSM850/900:-101dBm;DCS/PCS:-99dBm
Data Rate	TDD-LTE	3GPP R9 ,Category 4, DL 150Mbps UL 50Mbps
	FDD-LTE	3GPP R9 ,Category 4, DL 150Mbps UL 50Mbps
	TD-SCDMA	3GPP R7 DL 2.8Mbps UL 2.2Mbps
	UMTS	3GPP R7 DL 21.6Mbps UL 5.76Mbps
	EDGE/GPRS	EGPRS Class12 DL 237kbps UL 118Kbps GPRS Class12 DL 85.6kbps UL 42.8kbps

LAN		
WIFI info	WLAN Mode	802.11b, 802.11g, 802.11n
	Frequency Band	2.4Ghz
Power Level	Antenna Type	Internal
	Supported Security	WEP64, WEP128, WPA2-PSK
	WIFI MIMO	1x1
	WIFI IEEE 802.11b	>13dBm
	WIFI IEEE 802.11g	>11dBm
	WIFI IEEE 802.11n	>10dBm
	WIFI IEEE 802.11b(11M)	-76dBm@ 8%BER
Sensitivity	WIFI IEEE 802.11g(54M)	-65dBm@ 10%BER
	WIFI IEEE 802.11n(72.2M)	-64dBm@ 10%BER
	WIFI IEEE 802.11b	11/5.5 Mbps
Data Rate	WIFI IEEE 802.11g	54/48/36/24/18/12/9/6 Mbps
	WIFI IEEE 802.11n	72.2/65/58.5/52/39/26/19.5/13/6.5 Mbps;
	WIFI IEEE 802.11n	72.2/65/58.5/52/39/26/19.5/13/6.5 Mbps;
System		
2G/3G/4G setup	Interoperability	TDD-LTE & TD-SCDMA, TD-SCDMA & GSM, TDD-LTE & UMTS, FDD-LTE & TD-SCDMA, FDD-LTE & UMTS, UMTS & GSM
	SMS	SMS over SGs Func at LTE
	SMS APN setup	SMS's receiving and reading APN setup and revise
	PIN Func	PIN:Save, revise, lock,unlock
	DM	DM(Now support CMCC DM)
	Modem Func	Connect to PC by USB
	Automatically connect reconstructed	Can automatically reconnect to network after off-network in data using
	Protocol	Max users 10
WIFI setup	Protocol Driver setup	DHCP client / server, you can set whether to activate the DHCP service assigns IP addresses starting and ending addresses, set the gateway address; Support client list: Displays all the DHCP server to obtain IP address of the host, including MAC address, IP address obtained
		Support terminal IP address, SSID, communication channel, security type, the administrator account and password factory setting
		Support SSID and channel settings: Set SSID, communication channel (frequency band WiFi settings, select the range of WiFi support of the band all the available channels), WIFI function on/off, and the SSID broadcast on/off
		Provides WEP, WPA-PSK, WPA2-PSK, WAPI encryption methods, etc.
		Support MAC and IP filtering

Other setup	Driver setup	With the PC operating system automatically recognizes, supports drivers installed automatically
	Server	WEB UI
	Administrator password configuration	Terminal preset default administrator password, supports password changes
	SW update	Support local upgrade the firmware of the terminal
	Time setup	Set user location's time
	Recovery	Support the terminal restore all settings to the factory default state
	Reboot	Reboot by SW
	Operator lock	Software locking(can customization hardware locking)
	Online help	This menu item provides the user with the help of the course, descriptive information
Power features	OTA (HTTP/TR069)	
	System Log	Display system during operation log information generated. Easy for users to understand the equipment through query log system events that have occurred on. Allows the user to clear the log operation
	Connection-based	Hostless
	Plug & Play	Supported
	working Voltage	Battery voltage: 3.5-4.2V
	Voltage fluctuations	3.5-4.2V DC
Power features Environmental Characteristics	working Current	TBD
	Operating Temperature	0°C~+45°C
	Extreme working temperature	-20°C~+60°C
Environmental Characteristics Structure	Storage Temperature	-20°C~+25°C
	Relative humidity	45%~85%
	I/O	Micro USB;
	LTE SIM	Single
Structure Port	T-Flash Card	supported,max 32GB
	LTE SIM	3GPP 31.101 and 31.102 standard
	Key	Power、WPS Key、Reset key
Port Reception range		indoor: 15 m; outdoor: 30m
	Win7/WinXP	Supported
PC OS	MAC OS	Supported
PC OS	Windows8	Supported
	Android	Supported
	LINUX	Supported