

Industrial Router Specification

BMR400

Models: BMR400-LF, BMR400-W

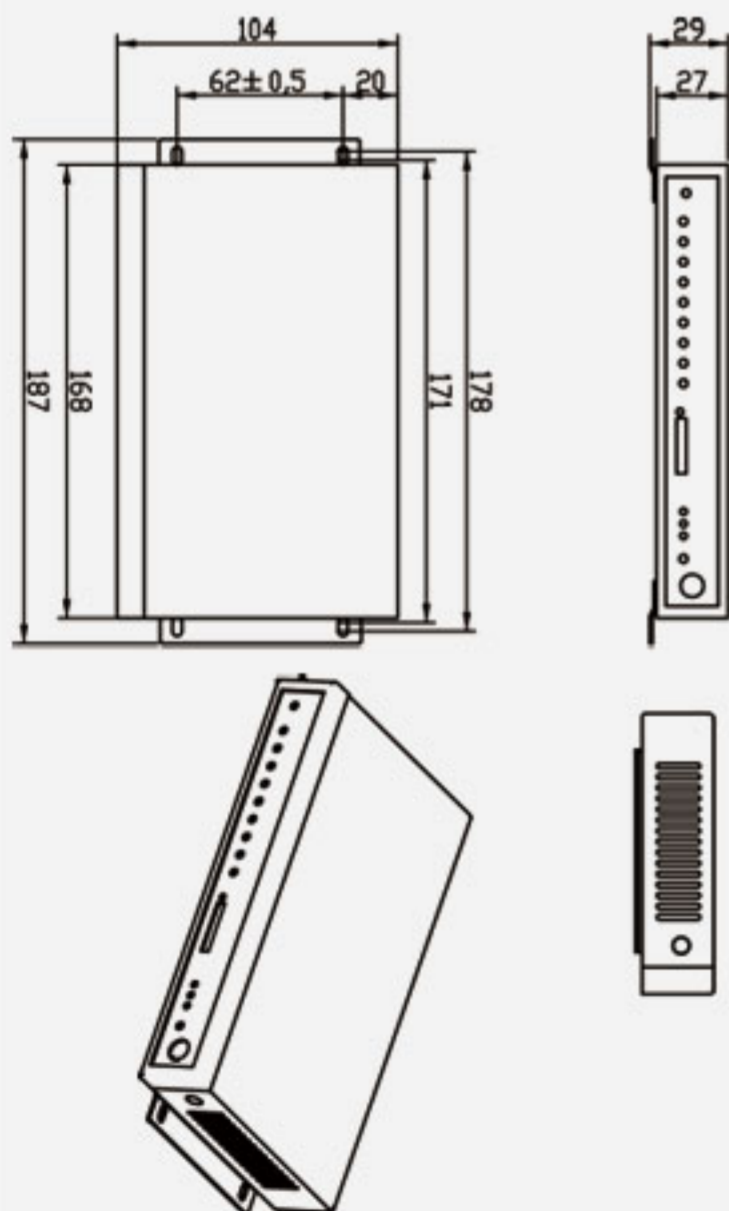


BMR400 industrial IOT router series provides high-speed wireless connection by cellular 4G/3G/2.5G network, first choice for video/image and other large data transmission. With I/O port, Ethernet port (can be removed), 4G to WIFI, networking when powered. It is widely used in remote data acquisition, remote equipment monitoring, remote control, remote alarm and other fields, such as forest fire prevention, pollution source video monitoring, water source monitoring, reservoir picture capture, traffic snapshot and other large data remote transmission applications.

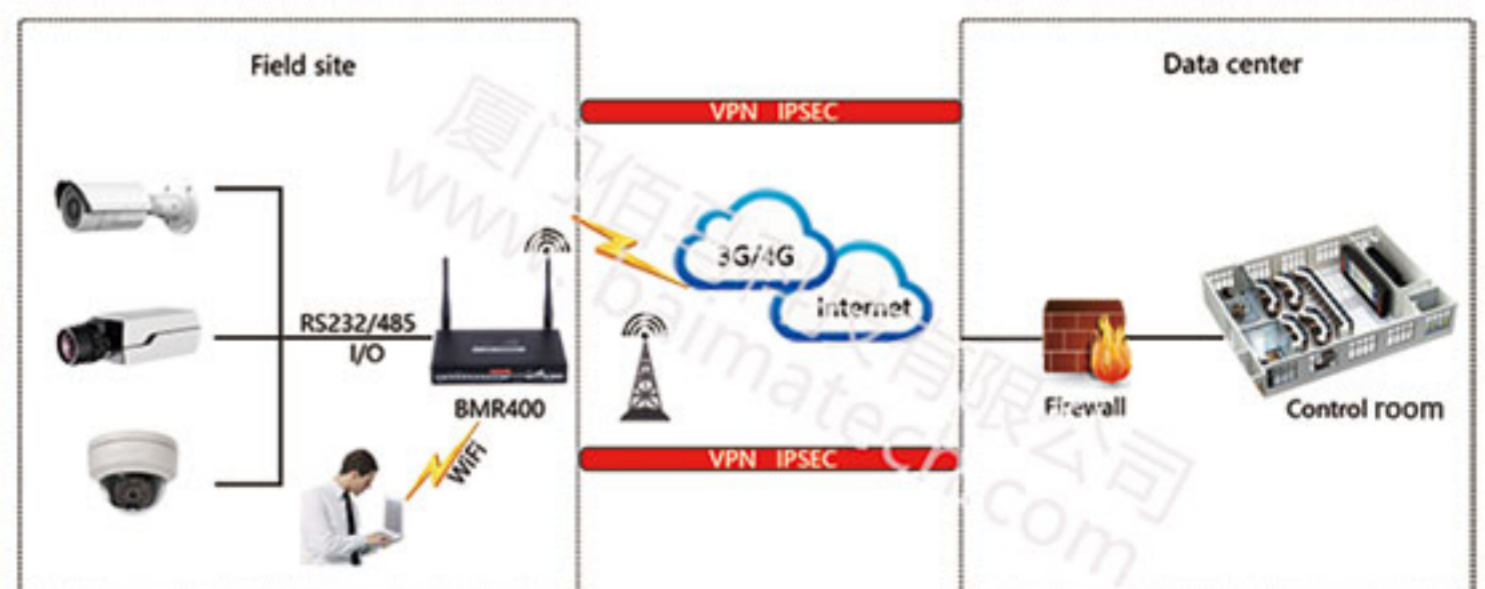
Features

- 4 x LANs, 1 x WAN, 1 x RS485, 1 x RS232
- 4G to WIFI facilitate equipment rapid access and local configuration
- WAN can act as LAN
- Max 32G storage
- Multiple hardware and software technology guarantee connection "permanent online"
- VPN special network and other multiple security mechanisms
- 4G/3G/2.5G network with courier approval
- Industrial grade design, high and low temperature (-35-75 C), wide voltage (5-35V)
- Durable self locking card slot
- Linux secondary development
- Configuration parameters can be saved, support parameter backup and import
- Equipment management platform, centralized monitoring, configuration, upgrading, diagnosis of a large number of distributed routers
- GPS positioning function (optional)

Dimensions



Networking



Specifications

Item	Content	Standard	Description
Interface	Serial port	X 2	Serial form: 5 PIN 3.5mm terminal Serial type: RS232/RS485 Baud rate: 1200~115200 bps Data format: 8 x data bits, 1 x stop bit, none/odd/even parity, no flow control
	Ethernet	4 X LANs	10/100M RJ45 port
		1 x WAN	10/100M RJ45 port, can act as LAN
	WIFI	Standard	IEEE802.11b/g/n
		Bandwidth	IEEE802.11b/g: 54Mbps (max) IEEE802.11n: 300Mbps (max)
		Security TX power RX sensitivity	WEP, WPA, WPA2, etc 21.5dBm 11g 26dBm 11b <-72dBm@54Mbps
SIM/UMIM	X 1	Drawer type holder, standard 1.8V/3V SIM/UMIM, 15KV ESD protection	
Antenna interface	X 1	Standard SMA female interface, 50 ohm	
LED Indicators	X 13	System, Power, Online, WIFI, LAN, WAN, Alarm, Signal(3 x LEDs)	
Power supply	Standard	DC 12V/1.5A	Reverse-voltage and overvoltage protection
	Voltage	DC 5V -- 35V	
	Current	<330mA (12V)	
Power Consumption	Communication	<3.96W	<330mA@12VDC; <792mA@5VDC
	Standby	<2.52W	<210mA@12VDC; <504mA@5VDC
	Sleep	<0.24W	<2mA@12VDC; <4.8mA@5VDC
System	CPU	Industrial 32 bits CPU	Industrial grade
	FLASH	16MB	Extendable to 64MB
	SDRAM	128MB	Extendable to 256MB
Security	Link detection	PPP layer heartbeat, ICMP detection, TCP keepalive and application layer heartbeat and other multi-level link detection mechanisms, and support dropout reconnection	
	Watchdog	Self-diagnostic, auto-recover from failure	
Network management	Auto dialing	Auto dialing when powered	
	On-demand dialing	Activate by data/SMS, scheduled online/offline	
	Configuration	M2M equipment cloud platform, remote configuration	
	Upgrade	Serial port or remote upgrade	
	Log	Local or remote log	
	Management	M2M equipment cloud platform	
Configure backup	Configure file import and export		
IP grade	IP30	Iron housing	
Environment	Working	-35 - +75° C	
	Storage	-40 - +80° C	
	Humidity	95% (unfreezing)	
Physical features	Installation	DIN rail, wall mounted	
	Dimensions	168x104x27mm(excluding antenna and mounting)	
	Weight	790g	

Ordering

Model	Cellular frequencies	VPN	WIFI
BMR400-LF LTE/WCDMA ROUTER	FDD-LTE2600/2100/1800/900/800MHz 700/1700/2100MHz (optional) HSPA+/HSDPA/HSUPA/WCDMA/UMTS 900/2100MHz 800/850/1900/2100MHz (optional) EDGE/GPRS/GSM 850/900/1800/1900MHz GPRS CLASS 10, EDGE CLASS 12	Support	Support
BMR400-W HSPA+/WCDMA ROUTER	UMTS/WCDMA/HSDPA/HSUPA/HSPA+ 850/900/1900/2100MHz GSM 850/900/1800/1900MHz GPRS/EDGE CLASS 12	Support	Support

Included

