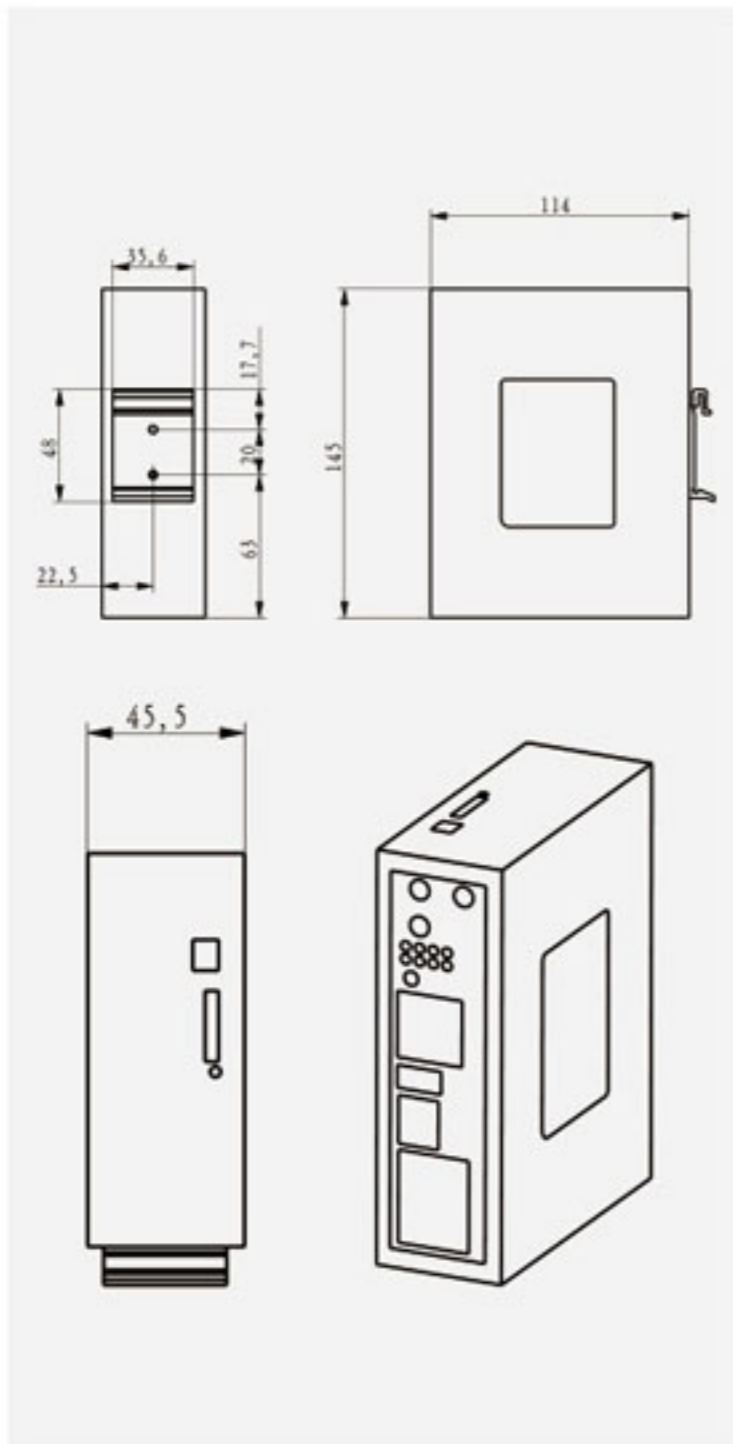


Industrial Gateway Specification



Dimensions



BMG500

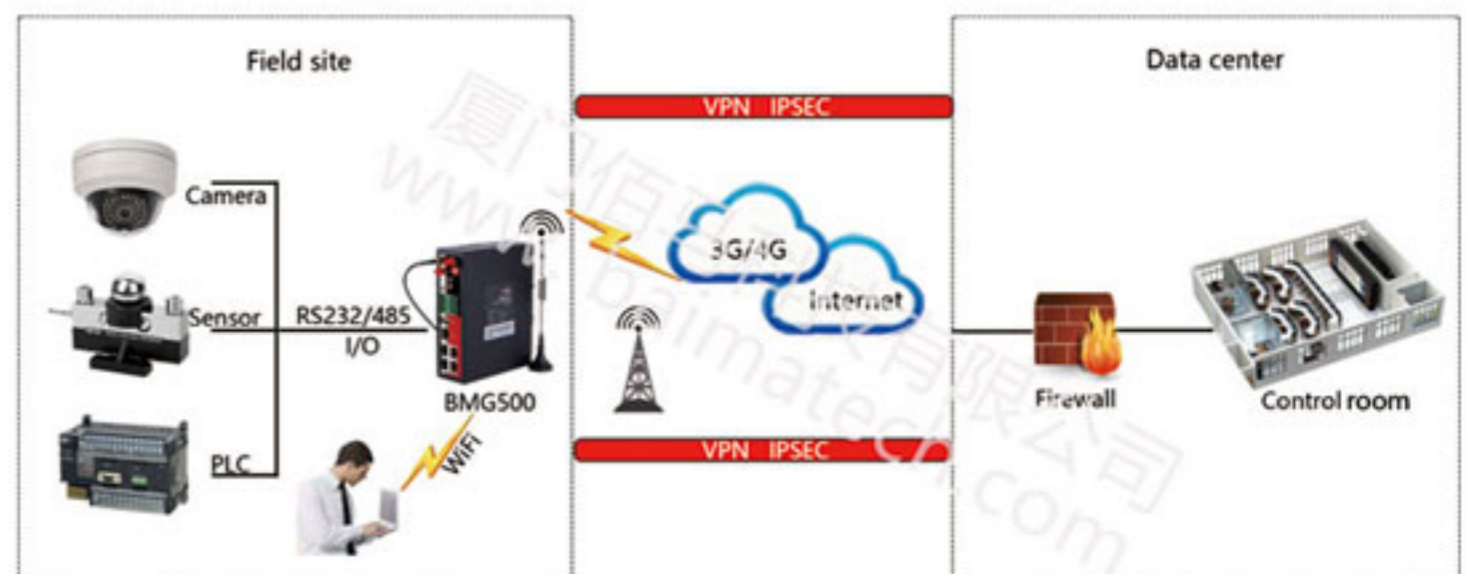
Models: BMG500-LF, BMG500-W

BMG500 industrial gateway series integrates functions of data intelligent collection, multiple protocol conversion, intelligent gateway, 4G communication, data processing and forwarding, virtual private network and local storage. A universal and intelligent IoT channel is built between monitoring equipment and IT system, to realize PLC\DCS and other equipment intelligent acquisition, protocol conversion, wireless communication and so on.

Features

- Data intelligent collection, multiple protocol conversion, intelligent gateway, 4G communication, data processing and forwarding, virtual private network and local storage.
- Support OPC Modbus IEC60870-101/102/103/104 DNP3 DLT645 BACnet jsons (customized)
- Support private protocol of PLC, DCS, smart meter, intelligent device (customized)
- 4 x LANs, 1 x WAN, 1 x USB, 2 x digital inputs, 2 x relay outputs, 1 x RS485, 1 x RS232,
- WAN can act as LAN
- 4G to WIFI facilitate equipment rapid access and local configuration
- 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 gateways
- GPS positioning function (optional)
- DIN rail mounting

Networking



Specifications

Item	Content	Standard	Description	
Interface	Serial port	X 2	Serial form: 6 PIN 3.5mm terminal Serial type: RS232/RS485 Spec: 1200~115200bps, 8 x data bits, 1 x stop bit, none/odd/even parity, no flow control	
	Ethernet	4 X LANs 1 x WAN	10/100M RJ45 port 10/100M RJ45 port, can act as LAN	
	USB	USB2.0	Data storage or firmware upgrade	
	Relay	X 2	Max 5A output, control external power supply	
	DI interface	X 2	DC 0-30V, detecting peripheral state, valid for >2V	
	CAN interface	X 1	Standard CANBUS	
	WIFI	Standard		IEEE802.11b/g/n
		Bandwidth		IEEE802.11b/g: 54Mbps (max) IEEE802.11n: 300Mbps (max)
		Security		WEP, WPA, WPA2, etc
	SIM/UIM	X 1	Drawer type holder, standard 1.8V/3V SIM/UIM, 15KV ESD protection	
Antenna interface	X 1	Standard SMA female interface, 50 ohm		
LED Indicators	X 8	System, Power, WIFI, Online, Alarm, Signal(3 x LEDs), LAN/WAN on RJ45		
Power supply	Standard	DC 12V/1.5A	Reverse-voltage and overvoltage protection	
	Voltage	DC 5V -- 35V		
	Current	<360mA (12V)		
Power Consumption	Communication	<4.32W	<360mA@12VDC; <864mA@5VDC	
	Standby	<2.64W	<220mA@12VDC; <528mA@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		
	Auto dialing	Auto dialing when powered		
	On-demand dialing	Activate by data/SMS, scheduled online/offline		
	Configuration	M2M equipment cloud platform, remote configuration		
Network management	Upgrade	Serial port or remote upgrade		
	Log	Local or remote log		
	Management	M2M equipment cloud platform		
IP grade	Configure	Configure file import and export		
	IP30	Iron housing		
Environment	Working	-35 - +75° C		
	Storage	-40 - +80° C		
	Humidity	95% (unfreezing)		
Physical features	Installation	DIN rail, wall mounted		
	Dimensions	142x112.5x44mm(excluding antenna and mounting)		
	Weight	790g		

Ordering

Model	Cellular frequencies	VPN	WIFI
BMG500-LF LTE/WCDMA GATEWAY	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
BMG500-W HSPA+/WCDMA GATEWAY	UMTS/WCDMA/HSDPA/HSUPA/HSPA+ 850/900/1900/2100MHz GSM 850/900/1800/1900MHz GPRS/EDGE CLASS 12	Support	Support

Included

