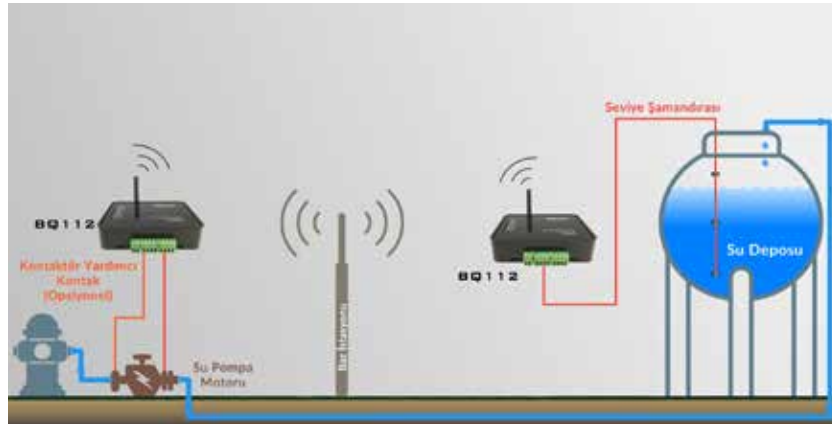


GSM Control and Alarm Systems

According to the alarm settings the device can send SMS or call the predefined telephone number(s) if there is a state change in the inputs. You can also control device relays from anywhere by sending SMS or by calling the device. There is no need for external phone or modem; all you need is a SIM card and our GSM Control Unit to do all these. Also all the settings of the device can be set remotely and securely by sending password protected SMS.

You can set different descriptions for each alarm. All settings can be done by SMS or from the device menu. You do not need to have much technical information to adjust the settings of the device, we have SMS Asistan mobile app to adjust settings, control relay and to get status of the device.



- Status notification by SMS
- Control the device by SMS
- Get call notification from your device
- Android and IOS support
- Do not need any external device
- Easily mountable to wall or DIN rail
- Conform to industrial applications
- Get location information from GSM
- Send RS485 telegrams

Common applications

- Easily send SMS from PLC
- Server rooms door alarm
- Cold room door alarm
- Logistics vehicles door alarm
- Thermostat SMS alarm
- Remote device control
- Alarm systems
- Machine control
- Get location information of the machine
- Tank filling systems
- Fire alarm systems



BQ100

GSM Control and Alarm Unit

- 12V DC 1A
- 8 Dry contact relay outputs
- 4 Dry contact digital inputs
- DIN Rail Type enclosure
- SMS and DTMF based call control
- SMS/CALL/E-mail notification
- GSM 850/900/1800/1900 MHz
- 3V/1.6V SIM card support
- Character LCD Screen
- SMA antenna connector

BQ100 has 8 relay outputs and 4 dry contact digital inputs. You can control all relays remotely by SMS or by calling. BQ100 also has alarm settings which you can adjust according to the state of the inputs. If any activated alarm is triggered; the device can send SMS, make calls, and send e-mails depending on the settings of the input. BQ100 has interactive voice response (IVR) that you can call to get the status of the device or to control relays. You can use our mobile application SMS Asistan for both Android and IOS to set device properties easily. With BQ100-R model you can send RS485 telegrams to external device and get the answer.



BQ110

GSM Kontrol ve Uyarı Cihazı

- 12-24V DC 1A
- 2 Dry contact relay outputs
- 2 Dry contact digital inputs
- Wall Type enclosure
- SMS control
- SMS notification
- GSM 850/900/1800/1900 MHz
- 3V/1.6V SIM card support
- SMA antenna connector

BQ110 has 2 relay outputs and 2 dry contact digital inputs. You can control all relays remotely by SMS. BQ110 also has alarm settings which you can adjust according to the state of the inputs. If any activated alarm is triggered; the device can send SMS depending on the setting of the input. You can use our mobile application SMS Asistan for both Android and IOS to set device properties easily. With BQ110-R model you can send RS485 telegrams to external device and get the answer.

BQ119

Expandable GSM Control and Alarm Unit



It has similar properties with our other GSM control units, but this unit does not have any input or relay output in it.

You can use our Modbus Relay Units (BQ351 or BQ352) as device relay outputs or you can use our Modbus Digital Input Unit (BQ360) as device inputs. By using these units you can reach up to 24 inputs and 24 relay outputs.

You can add Modbus Relay or Modbus Digital Input units according to your need.

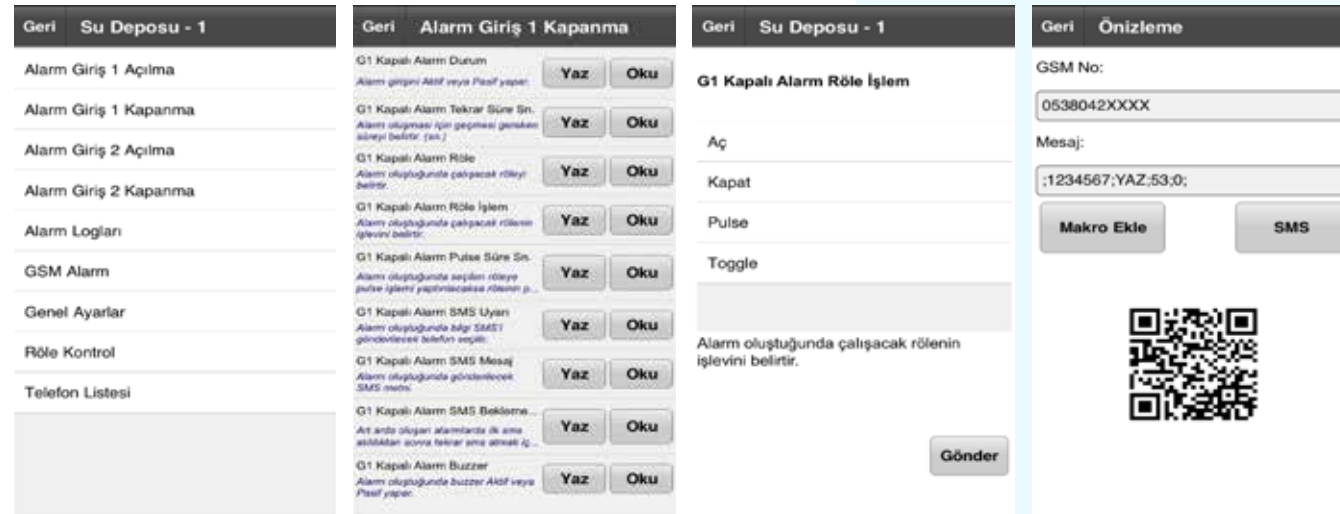


- 24V DC 1A
- Expandable relay outputs
- Expandable digital inputs
- SMS Control
- SMS notification
- GSM 850/900/1800/1900 MHz
- 3V/1.6V SIM card support
- SMA antenna connector

BQTEK SMS Asistan

BQTEK SMS Asistan Application makes easy to adjust the settings or to control the all GSM control units. We have both Android and IOS versions. You can add many devices to the software and control them individually. You can add many macros for frequently used settings or control commands.

You can download BQTEK SMS Asistan application from Apple Store or Play Store and use it for free.



BQ101

GSM Access Control Unit



- 12V DC 1A
- 8 Dry contact relay outputs
- 4 Dry contact digital inputs
- DIN Rail Type enclosure
- Window software for setup
- SMS setup
- GSM 850/900/1800/1900 MHz
- 3V/1.6V SIM card support
- Character LCD Screen
- SMA antenna connector

In classic remote controlled door systems, you need either a card or a remote controller for each user which costs most of the system but with BQ101 system users are using their phone to open the door, therefore it is cheaper than classic remote controlled systems.

You can connect BQ101 to computer and using our free software you can adjust the settings or log the access history.

By using BQ101 you can control any automated door by simply calling. When BQ101 get a call it checks the phone number, if the phone number is on list than the door will be opened immediately.

It is free of charge to call the device because it does not answer the call. But if you have many gates or doors connected to one device it can answer your call and welcome you to choose the door to open by using your phone keypad. You can adjust both working mode according to your need.

Some examples where to use

Apartment buildings or office buildings door opening

Site entrance gate control

Car park gate control



GSM - GPRS Modems

BQ140

GSM GPRS Modem
RS232



BQ140 is a high quality GSM/GPRS modem with a serial port (RS232) to communicate with your software or electronic devices easily. It is suitable to use with industrial or software applications. BQ140 can be used easily for wall mount or desktop applications. Call, SMS, and GPRS communication applications can be done easily.

12V - 24V DC 1A
RS232 Communication port
GSM 850/900/1800/1900 MHz
PPP/TCP/UDP/HTTP/FTP/SMTP
AT Command set
3V/1.6V SIM card support
SMA antenna connector

BQ142

GSM GPRS Modem USB



BQ140 is a high quality GSM/GPRS modem with an USB port to communicate with your software or electronic devices easily. It does not need any external USB to Serial port converter. It is using FDTI chipset which is supported by many computer, after connected to the computer from USB port, operating system will recognize, therefore no need for driver.

12V - 24V DC 1A
USB Connection port
GSM 850/900/1800/1900 MHz
PPP/TCP/UDP/HTTP/FTP/SMTP
AT Command set
3V/1.6V SIM card support
SMA antenna connector

RF Control Products

BQ300

RF Controlled Relay Unit



8 channel dry contact 4A/230V relay outputs
8 channel dry contact inputs
RF frequency is 434MHz
Max number of remote control memory 32
Max number of scenario memory 16

BQ300 is a radio frequency (RF) controlled relay unit with working frequency 434MHz. The relays of the unit can be controlled either by using remote controller or connecting buttons to its digital inputs. Antenna with cable is connected with SMA connector to device; therefore device can be installed inside of metal panels while antenna is placed outside of the metal panels. It also has communication port to connect extension units. You can choose remote controller hand units from 1 channel to 99 channel

BQ301

Relay Extension Unit



12V DC supply
8 channel dry contact 4A/230V relay outputs
8 channel dry contact inputs
Max number of remote control memory 32
Max number of scenario memory 16

If the number of relays in the BQ300 are not enough for your application you can add many of this units according to your need. BQ301 must be connected to the extension port of the BQ300 and can be powered from BQ300.

Can use for lighting control application, with its scenario properties you can control many lights just with a press of a button.



GSM-GPRS Serial Converters

BQ120

GPRS TCP to RS232/RS485 Converter

BQ120 is a GPRS based TCP to RS232/RS485 transparent converter. It can be configured as a server or a client. Port or IP address can be configured easily with configuration software. You can set serial parameters Baud rate, parity, number of stop bits. Settings also can be done remotely over TCP connection. If you use two of them with one configured server and the other configured client to connect the server, you can communicate with your device from anywhere without a distance limit. Even you can convert your serial communication to TCP communication by using one BQ120.



- 12V - 24V DC 1A
- RS232 or RS485 port
- TCP Server or Client mode adjustable
- GSM 850/900/1800/1900 MHz
- 3V/1.6V SIM card support
- SMA antenna connector

BQ121

GPRS TCP to RS232/TTL UART Converter

BQ121 is a GPRS based TCP to RS232/TTL Uart transparent converter. Other properties are same with BQ120 but this device has TTL UART communication.



- 12V - 24V DC 1A
- RS232 or 5V TTL Uart ports
- TCP Server or Client mode adjustable
- GSM 850/900/1800/1900 MHz
- 3V/1.6V SIM card support
- SMA antenna connector

BQ122

GPRS MODBUS TCP to Modbus RTU Converter

BQ122 is a GPRS based MODBUS TCP to MODBUS RTU converter. You can communicate with remote MODBUS RTU devices from your SCADA software or from PLC. Remote systems will be accessible without worrying about distance.



- 12V - 24V DC 1A
- Modbus RTU-RS485 port
- GSM 850/900/1800/1900 MHz
- 3V/1.6V SIM card support
- SMA antenna connector

Industrial Automation Products

BQ485

USB to RS485 Converter

- 1000VDC Voltage isolation
- Simple cable mountable connector
- FTDI chipset for USB communication
- USB A Type Male connector
- Half duplex transmission support



BQ485 is a USB to RS485 converter, which does not require an external power supply and complex setting process. It supports baud rate from 300 Kbps to 115200 Kbps and auto direction control of data transmission. It does not require special tools for connection because terminal connector is used in RS485 side for users to wire conveniently. It is using FTDI FT232RL chipset which does not need driver installation for windows running machines, true plug and play application. USB extension cable is also supplied with the product.

PWR02

12V DC 2A Power Supply

- Universal AC input range 100V-240V
- DIN Rail type enclosure
- 12V 2A DC Out
- Protections: Short circuit, overload, over temperature
- Soft-start circuit
- Led indicator for power on



PWR02 is 12V DC power supply which can drive load up to 2 amperes. DIN Rail mountable box to fit panel mounting applications. It has all protections short circuit, overload and over temperature. Led indicator for output status.

BQ351

Modbus IO Module



The BQ351 is a Modbus Slave IO module for interfacing to any PLC or PC using the Modbus RTU protocol. It behaves as a Modbus Slave Relay and Inputs. Outputs are controlled by writing to coils and reading from the Coils and Holding Registers. It can be used for many applications such as controlling lights and sprinkler systems, reading sensors and monitoring switches and other digital signals, or industrial control.

The module can connect to a standard RS485 2-wire half duplex network. The address settings can be done with dip switches on the module. Baud rate or module address greater than 14 can be set with Modbus RTU protocol by setting the address to zero.

12V DC 200mA
8 Dry contact Relay Outputs 4A
230VAC
8 Dry contact Digital Inputs
RS485 half-duplex Modbus RTU
protocol
DIN Rail type mountable box

BQ351-24

Modbus IO Module



The BQ351-24 is a Modbus Slave IO module for interfacing to any PLC or PC using the Modbus RTU protocol. It behaves as a Modbus Slave Relay and Inputs. Outputs are controlled by writing to and reading from the Coils and Holding Registers. It can be used for many applications such as controlling lights and sprinkler systems, reading sensors and monitoring switches and other digital signals, or industrial control.

The module can connect to a standard RS485 2-wire half duplex network. The address settings can be done with dip switches on the module. Baud rate or module address greater than 14 can be set with Modbus RTU protocol by setting the address to zero.

24VDC 100mA
8 Dry contact Relay Outputs 4A
230VAC
8 Dry contact Digital Inputs
RS485 half-duplex Modbus RTU
protocol
DIN Rail type mountable box



BQ352

Modbus Relay Module (24 Channels)

The BQ352 is a Modbus Slave relay module for interfacing to any PLC or PC using the Modbus RTU protocol. It behaves as a Modbus Slave Relays. Outputs are controlled by writing to and reading from the Coils and Holding Registers. It can be used for many applications such as controlling lights and sprinkler systems, or industrial control.

24VDC 250mA
24 Dry contact Relay Outputs 4A
230VAC
RS485 half-duplex Modbus RTU
protocol
DIN Rail type mountable box



BQ360

Modbus Digital Input Module (24 Channels)

The BQ360 is a Modbus Slave dry contact optical isolated digital input module for interfacing to any PLC or PC using the Modbus RTU protocol. It behaves as a Modbus Slave Inputs. Inputs can be get by reading from the Coils and Holding Registers. It can be used for many applications such reading sensors contacts, output states and monitoring switches and other digital signals, or industrial control.

24VDC 70mA
24 Dry optic isolated contact Digital
Inputs
RS485 half-duplex Modbus RTU
protocol
DIN Rail type mountable box

















BQ370

Modbus Analog Input Module (6 Channels)

The BQ370 is a Modbus Slave analog input module for interfacing to any PLC or PC using the Modbus RTU protocol. It behaves as a Modbus Slave Inputs. Inputs can be get by reading from the Holding Registers. It can be used for many applications such reading PT1000, PT100 or RTD etc.

24VDC 90mA
6 Analog Inputs
RS485 half-duplex Modbus RTU
protocol
DIN Rail type mountable box

GSM Control and Alarm Systems		BQ100	GSM Control and Alarm Unit 4 Input, 8 Output, Power Supply and Antenna is included	172\$
		BQ100-R	GSM Control and Alarm Unit (RS485) 4 Input, 8 Output, Power Supply and Antenna is included	180\$
		BQ110	GSM Control and Alarm Unit 2 Input, 2 Output, Power Supply and Antenna is included	116\$
		BQ110-R	GSM Control and Alarm Unit (RS485) 2 Input, 2 Output, Power Supply and Antenna is included	125\$
		BQ119	Expandable GSM Control and Alarm Unit Power Supply and Antenna is included. Can be used with BQ352, BQ360	121\$
		BQ101	GSM Access Control Unit Control any automated door by phone calling	180\$
		BQ112	Water Tank Level Control Power Supply and Antenna is included	224\$
GSM - GPRS Modems		BQ140	GSM GPRS Modem RS232 Power Supply and Antenna is included	75\$
		BQ142	GSM GPRS Modem USB Power Supply and Antenna is included	85\$
RF Control		BQ300	RF Controlled Relay Unit 8 Output, Power Supply, antenna and one remote controller is included	160\$
		BQ301	Relay Extension Unit For BQ300 8 Output	92\$
		KMD99	RF Remote Controller (99 Channel) Remote controller unit for BQ300	36\$
GSM-GPRS Serial Converters		BQ120	GPRS TCP to RS232/RS485 Converter Power Supply and Antenna is included	120\$
		BQ121	GPRS TCP to RS232/TTL UART Converter Power Supply and Antenna is included	112\$
		BQ122	GPRS MODBUS TCP to Modbus RTU Converter Power Supply and Antenna is included	120\$

Industrial Automation Products		BQ485	USB to RS485 Converter 1000V Voltage isolation	45\$
		PWR02	12V DC 2A Power Supply (Rail Type) 220V AC Input, 12V DC Output	40\$
		BQ351	Modbus IO Module (12V) 8 Relay output (4A), 8 Digital input	92\$
		BQ351-24	Modbus IO Module (24V) 8 Relay output (4A), 8 Digital input	92\$
		BQ352	Modbus Relay Module (24 Channels) 24 Relay output (4A)	100\$
		BQ360	Modbus Digital Input Module (24 Channels) 24 Digital input, Modbus RTU	68\$
		BQ370	Modbus Analog Input Module (6 Channels) Modbus RTU analog inputs	110\$
	Other Products		ANT01	90 Degree Antenna 2db gain
		ANT02	3m Cable T Antenna 3db gain, 3m cable	5,5\$
		PWR01	12V DC 1.5A Power Supply 220V AC Input, 12V DC Output	8\$

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