

B444-G Plug-in cell module, global LTE

CONETTIX



- ▶ Secure CONETTIX IP communication from compatible Bosch panels to Bosch receivers using a global cellular network
- ▶ Simple LED status information and advanced keypad diagnostics available with easy two-step plug-in installation, troubleshooting, and maintenance
- ▶ Remote programming and monitoring of compatible Bosch panels
- ▶ E-mail notification options

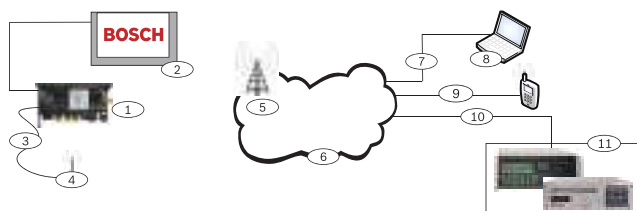
The cellular communicator enables secure two-way IP communication over the cellular network by plugging into a compatible control panel or communicator interface.

- Alarm reporting to a central station
- Remote control panel programming through Remote Programming Software (RPS)
- Remote monitoring and control through Bosch Security Manager (BSM) and Remote Security Control (RSC) mobile apps
- Control Panel alarms and push notifications to Bosch Security Manager mobile app
- Personal notification using text messages

Notice

Cellular capability requires an Installer Services Portal account and appropriate data plan. Contact installer.services@us.bosch.com for more information.

System overview



1 — Cellular communicator	7 — Remote PC's network connection
2 — Compatible control panel/communicator interface	8 — Remote PC running configuration software
3 — Antenna cable	9 — Personal SMS notification
4 — Magnetic base antenna	10 — Ethernet connection
5 — Base station on wireless carrier's network	11 — Central monitoring station
6 — IP network cloud	

Functions

CONETTIX IP communication via cellular

In addition to the security provided by the network operator, the cellular communicator uses our CONETTIX IP protocol that supports:

- Flexible polling intervals
- Resistance to Denial of Service attacks
- 128-bit to 256-bit AES encryption with Cypher Block Chaining
- Anti-replay/anti-substitution keys

Callout — Description

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Easy installation, troubleshooting, and maintenance

- No networking expertise required at field site (no firewall or router settings)
- Signal strength and diagnostics available through keypad and Remote Programming Software (RPS)
- Diagnostic LEDs for on-site troubleshooting

SMA antenna connections

Each module uses a two-port antenna connection and uses two SMA antennas to maximize cellular communications.

LED	Function
Blue (heartbeat)	System status indicator
Red	Unacceptable signal strength
Yellow	Marginal signal strength
1 Green	Good signal strength
2 Green	Very good signal strength

Regulatory information

Region	Regulatory compliance/quality marks	
Europe	CE	
Brazil	ANATEL	12689-23-02045
Singapore	IMDA	S3996-23

Installation/configuration notes**Mounting considerations**

The module plugs into any compatible control panel, B465 dual path communicator, or B450 communicator interface. Each supports a variety of enclosures.

Wiring considerations

The module connects to any compatible control panel without tools or physical wiring for power. When used with the B450, the B450 is wired to the control panel data bus. The cellular module has two screw-on SMA antenna connections.

Compatibilities

Devices	The module is compatible with most Bosch control panels when used with a B450 CONETIX Plug-in Communicator Interface with firmware v3.09 or higher. Refer to the B450 datasheet for complete control panel compatibility listings. B465 CONETIX Universal Dual Path Communicator with firmware v2.09 or higher.
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B40-P, B40-MB25, B40-MB50 auxiliary indoor/outdoor antennas

Cellular 4G LTE - Cat 1

Parts included

Quantity	Component
1	Cellular module with SIM card
2	Antennas
1	Literature pack

Technical specifications**Mechanical**

Dimensions (H x W x D) (mm)	50 mm x 93.5 mm x 15.25 mm
Dimensions (H x W x D) (in)	2.0 in x 3.68 in x 0.60 in
Antennas (included)	• Magnetic base omni-directional • 1.0 m (3.3 ft) cable with SMA connector
SIM card	• Global LTE

Environmental

Operating temperature (°C)	0 °C – 49 °C
Operating temperature (°F)	32 °F – 120 °F
Operating relative humidity, non-condensing (%)	5% – 93%
Environment	Environmental Class III - Indoor

Electrical

Operating current	Standby: 40 mA Alarm: 150 mA
Operating voltage (VDC)	12 VDC nominal
Radio	4G/LTE: B1, B2, B3, B4, B5, B7, B8, B9, B12, B13, B14, B18, B19, B20, B25, B26, B28 3G: B1, B2, B4, B5, B6, B8, B19 2G: B0, B1, B2, B3

Ordering information

B444-G Plug-in cell module, global LTE

This communication module provides secure two-way IP communication on a global wireless network.

Order number **B444-G | F.01U.406.041**

Accessories

B40-MB25 Outdoor multiband antenna, cell, 25ft

Provides wide bandwidth and low angle radiation pattern for indoor/outdoor applications. Supports 2G/3G/4G data communication, Domestic (US) LTE 700 band, Global LTE 2600 band, Domestic (US) Cellular, Global GSM, and WiMAX 2300/2500/2600 bands.

Includes a 25 ft (7.6 m) cable, and a mounting bracket.

Order number **B40-MB25 | F.01U.326.560**

B40-MB50 Outdoor multiband antenna, cell, 50ft

Provides wide bandwidth and low angle radiation pattern for indoor/outdoor applications. Supports 2G/3G/4G data communication, Domestic (US) LTE 700 band, Global LTE 2600 band, Domestic (US) Cellular, Global GSM, and WiMAX 2300/2500/2600 bands.

Includes a 50 ft (15.2 m) cable, and a mounting bracket.

Order number **B40-MB50 | F.01U.326.559**

B40-P Outdoor puck antenna, cell, 6.5ft

Omnidirectional, low profile antenna for metallic indoor/outdoor surface mounting. Supports LTE, and 2G/3G/4G data communication. Operates over 698-960 MHz and 1710-2170 MHz bands.

Order number **B40-P | F.01U.326.561**

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