

# 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.

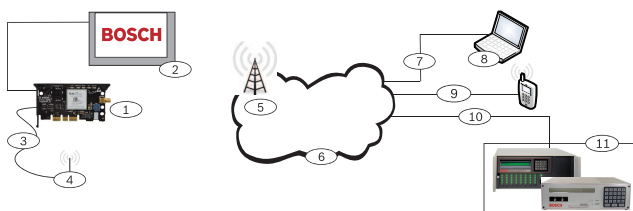
- Alarm reporting to a central station
- Remote control panel programming through Remote Programming Software (RPS)
- Remote monitoring and control through Bosch Security Manager (BSM) and Remote Security Control (RSC) mobile apps
- Control Panel alarms and push notifications to Bosch Security Manager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

**i Notice**

Cellular capability requires an Installer Services Portal account and appropriate data plan. Contact [installer.services@us.bosch.com](mailto:installer.services@us.bosch.com) for more information.

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	

**System overview**



**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	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	<p>The module is compatible with most Bosch control panels when used with a B450 CONETTIX Plug-in Communicator Interface with firmware v3.09 or higher. Refer to the B450 datasheet for complete control panel compatibility listings.</p> <p>B465 CONETTIX Universal Dual Path Communicator with firmware v2.09 or higher.</p>
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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)	<ul style="list-style-type: none"> <li>• Magnetic base omni-directional</li> <li>• 1.0 m (3,3 ft) cable with SMA connector</li> </ul>
SIM card	<ul style="list-style-type: none"> <li>• Global LTE</li> </ul>

**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	<p>4G/LTE: B1, B2, B3, B4, B5, B7, B8, B9, B12, B13, B14, B18, B19, B20, B25, B26, B28</p> <p>3G: B1, B2, B4, B5, B6, B8, B19</p> <p>2G: B0, B1, B2, B3</p>

## 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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