

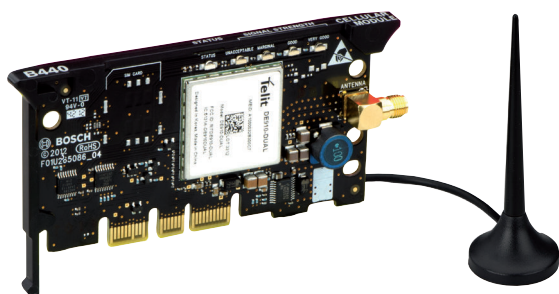
Comunicador insertable Conettix B440 de celular

www.la.boschsecurity.com



BOSCH

Innovación para tu vida



- ▶ Secure Conettix IP communication from compatible Bosch panels to Bosch receivers using Verizon 3G EVDO/CDMA
- ▶ Remote programming and monitoring of compatible Bosch panels
- ▶ Personal SMS message and e-mail notification options
- ▶ Direct configuration from Bosch Remote Programming Software (RPS), eliminating the need for separate configuration
- ▶ Simple LED status information and advanced keypad diagnostics available

The B440 enables 3G EVDO and CDMA secure two-way IP communication over the Verizon cellular networks.

Typical applications are:

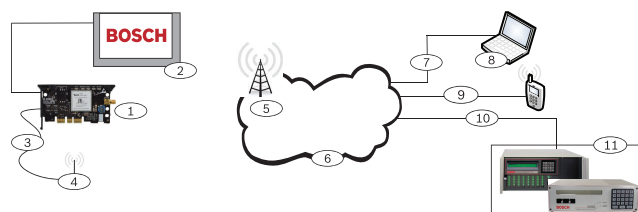
- Alarm reporting to a central station
- Remote panel programming through Remote Programming Software
- Remote monitoring and control through a mobile application
- Personal notification using SMS

The B440 is built for a wide variety of secure commercial and industrial applications. Flexible end-to-end path supervision, 128-bit to 256-bit AES encryption and anti-substitution features make B440 especially suited for use in high security and fire monitoring applications.

Developed for the military, CDMA technology offers long service life with resistance to hacking and jamming. The B440's dual technology radio uses high speed 3G EVDO when available or switches to CDMA if required.

Note: Cellular capability requires an appropriate data plan from Bosch.

Resumen del sistema



Llamada — Descripción	Llamada — Descripción
1 — Comunicador insertable Conettix B440 de celular	7 — Conexión de red de la PC remota
2 — Paneles de control compatibles	8 — PC remota que ejecuta RPS
3 — Cable de la antena	9 — Notificación de SMS personal
4 — Antena de base magnética	10 — Conexión Ethernet

5 — Estación base en la red del prestador inalámbrico	11 — Estación central de monitoreo
6 — Nube de la red IP	

Funciones básicas

Conettix IP communication via Cellular

In addition to the security provided by the network operator, the B440 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

Easy Installation, troubleshooting, and maintenance

- No networking expertise required at field site (no firewall or router settings)
- No PC or special tools required for installation and troubleshooting
- Service plans and settings managed through RPS
- Diagnostic LEDs for on-site troubleshooting

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

Remote programming of Bosch control panels

The B440 supports secure RPS programming of compatible Bosch paneles de control.

Personal notification and control

The B440 supports the Bosch Remote Security Control mobile application and can be configured for SMS personal notification reports to mobile phones or e-mail addresses.

Certificados y homologaciones

Region	Certification	
EE. UU.	Verizon	Open Development Certified

Región	Certificación	
EE. UU.	UL	UL 365 - Police Station Connected Burglar Alarm Units
	UL	UL 636 - Holdup Alarm Units and Systems
	UL	UL 864 - Standard for Control Units and Accessories for Fire Alarm Systems
	UL	UL 985 - Household Fire Warning System Units
	UL	UL 1023 - Household Burglar Alarm System Units

Región	Certificación	
	UL	UL 1076 - Proprietary Burglar Alarm Units and Systems
	UL	UL 1610 - Central Station Burglar Alarm Units
	CSFM	see our website
	FCC	Part 15 Class B
	FDNY-CoA	6173
	FDNY-CoA	6174
	FDNY-CoA	6196

Planificación

Mounting considerations

The module plugs into any compatible panel de control, available in a variety of enclosures.

Wiring considerations

The module connects to any compatible panel de control without tools or physical wiring for power. When used with the B450 Conettix Plug-in Communicator Interface, the B450 is wired to the panel de control data bus. The cellular module has a screw on SMA antenna connection.

Cellular service considerations

The module is shipped pre-activated for Bosch Cellular service on the Verizon cellular network. A valid service contract is required prior to ordering.

Compatibilities

Control panels	B9512G/B9512G-E, B8512G/B8512G-E B6512 B6512/B5512/B4512/B3512, B5512E/ B4512E/B3512E control panel with firmware v2.03 or higher (direct insertion) The B440 is compatible with most Bosch control panels when used with a B450 Conettix Plug-in Communicator Interface. Refer to the B450 datasheet for complete control panel compatibility listings.
Cellular	EVDO rev A CDMA2000 1xRTT

Compatibilidad con tecnología celular

Dispositivo	Redes de celular			
	2G (CDMA)	3G (CDMA)	GPRS (GSM)	HSPA+ (GSM)
B440 *	X	X		
B441 *	X			
B442 *			X	

Dispositivo	Redes de celular			
	2G (CDMA)	3G (CDMA)	GPRS (GSM)	HSPA+ (GSM)
B443 *			X	X

*Verifique la disponibilidad en su área.

Piezas incluidas

Cantidad	Componente
1	Comunicador insertable Conettix B440 de celular
1	Antena
1	Paquete de documentación

Especificaciones técnicas

Electrical

Current (operating)	Standby: 35 mA Alarm: 150 mA
Voltage (operating)	12 VDC nominal
Radio	Verizon CDMA dual band radio 850 MHz and 1900 MHz

Environmental

Environment	Environmental Class III - Indoor
Relative humidity	5 – 93% at +32°C (+90°F) non-condensing
Operating temperature	-10°C to +55°C (+14°F to +131°F)

Mechanical

Board dimensions	2 in x 3.68 in x 0.60 in (50 mm x 93.5 mm x 15.25 mm)
Antenna (included)	- Magnetic base omni-directional 8.2 ft (2.5 m) cable with SMA connector

Información sobre pedidos

Comunicador insertable Conettix B440 de celular

Comunicador celular con tecnología doble 3G EVDO/CDMA para una comunicación IP bidireccional segura en la red inalámbrica Verizon.

Número de pedido **B440**

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