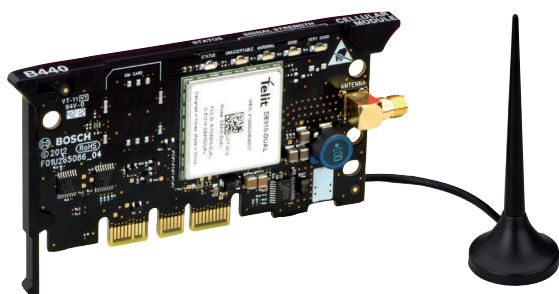


B440 Módulo Comunicador para celular Conettix

www.la.boschsecurity.com



BOSCH
Tecnologia para a 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:

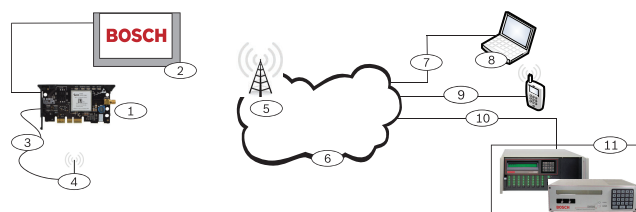
- Alarm reporting to a central station
- Remote panel programming through Remote Programming Software
- Remote monitoring and control through a mobile application
- Personal notification using SMS

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.

Generalidade (sistema)



Texto explicativo — Descrição	Texto explicativo — Descrição
1 — B440 Comunicador para Celular Plug-in Conettix	7 — Conexão de rede de PC remoto
2 — Pannel de controle compatível	8 — PC remoto utilizando o RPS
3 — Cabo da antena	9 — Notificação pessoal por SMS
4 — Antena com base magnética	10 — Conexão Ethernet

5 — Estação de base na rede sem fio da operadora	11 — Estação central de monitoramento
6 — Nuvem da rede IP	

Funções

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 painéis de controle.

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 e Aprovações

Region	Certification
EUA	Verizon Open Development Certified

Região	Certificação
E.U.A.	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

Região	Certificação
	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

Planejamento

Mounting considerations

The module plugs into any compatible painel de controle, available in a variety of enclosures.

Wiring considerations

The module connects to any compatible painel de controle without tools or physical wiring for power. When used with the B450 Conettix Plug-in Communicator Interface, the B450 is wired to the painel de controle 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

Compatibilidade com a tecnologia celular

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

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

*Verifique a disponibilidade em sua região.

Peças incluídas

Quantidade	Componente
1	B440 Comunicador para Celular Plug-in Conettix
1	Antena
1	Conjunto de literatura

Especificações 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

Como encomendar

B440 Módulo Comunicador para celular Conettix

Comunicador celular com tecnologia dupla 3G EVDO/CDMA para comunicação segura por IP em dupla via na rede Verizon Wireless.

Nº de encomenda **B440**

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