CBX800
Industrial Gateway

Highlights
CBX800 is an industrial gateway allowing connection of devices equipped with a standard RS232 communication interface to the most common fieldbus systems, by means of a complete range of optional modules, and to ID-NET™ high speed communication network.

• FLEXIBILITY
The CBX800 is a modular and flexible industrial gateway that, with the same model, allows to interface several devices equipped with a standard RS232 communication port (e.g. Datalogic Automation’s 6K and 8K series, Hand Held Readers) to different networks.

• CONNECTIVITY
A large number of communication interfaces are provided to satisfy all the most common demands.
Three serial ports and high speed ID-NET™ communication interface, always available, can be combined with a complete range of optional modules providing connectivity to standard Ethernet network or to the most common fieldbus systems.

• EASE OF INSTALLATION
Installation is simplified thanks to accessible through-holes for mounting screws with closed box. Optional adapters are available for fast fixing to Bosch profiles and DIN rail mounting. Moreover, the accessible spring clamps allow easy cabling operation.

• EASE OF SETUP
CBX800 parameters are accessible through Genius™, the multi-language SW configuration tool that helps to speed up the interfacing to a network. In addition, the embedded HW switches allow easy network type and network address selection.

• INDUSTRIAL FEATURES
CBX800 features IP65 (NEMA 4) protection class and an operating temperature up to +50 °C (+122 °F).

Features
• Serial to Fieldbus industrial gateway
• Serial to Ethernet TCP/IP industrial gateway
• Open architecture allows flexible interfacing to Ethernet TCP/IP, Profinet, DeviceNet, Ethernet/IP and other common networks
• Serial to ID-NET™ industrial gateway
• Flexible mounting and simplified wiring to speed up the installation
• Power, Communication and I/O LED indicators and convenient Power on/off switch
• Multi-language Genius™ SW Tool allows rapid device configuration
• IP65 (NEMA 4) rated industrial design

Applications
• Manufacturing
• Shop floor
• Warehousing

www.automation.datalogic.com
Specifications

P/N | Description
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93A301077 | CBX800 GATEWAY

P/N | Description
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93ACC1851 | BM200 ETHERNET TCP/IP MODULE
93ACC1852 | BM210 ETHERNET TCP/IP IP65 MODULE
93ACC1810 | BM300 PROFINBUS MODULE
93ACC1811 | BM310 PROFINBUS IP65 MODULE
93ACC1814 | BM400 DEVICE NET MODULE
93ACC1812 | BM500 ETHERNET/IP MODULE
93ACC1813 | BM510 ETHERNET/IP IP65 MODULE
93ACC1840 | BM520 ETHERNET/IP IP64 MODULE
93ACC1815 | BM600 CAN OPEN MODULE
93ACC1816 | BM700 PROFINET MODULE
93ACC1845 | BM1100 CC-LINK MODULE
93ACC1848 | BM1200 MODBUS TCP MODULE
93ACC1849 | BM1210 MODBUS TCP IP65 MODULE
93ACC1821 | BA100 DIN RAIL ADAPTERS
93ACC1822 | BA200 BOSCH ADAPTERS
93ACC1847 | BA900 TWO CABLE GLANDS PANEL
93ACC1827 | ADP-FF1 GENDER CHANGER 2SPF/F (SPCS)

Technical Data

Dimensions (L x W x H): 193 x 180 x 71 mm (7.60 x 7.09 x 2.79 in.)
Weight: 830 g. (29.28 oz.)

Power Supply: 10 to 30 VDC
Power Consumption: 2.5 W max
Operating Temperature: 0 to 50 °C (32 to 122 °F)
Storage Temperature: -20 to 70 °C (-4 to 158 °F)
Humidity: 90% non condensing

Protection Class: IP65
Shock Resistance: EN 60068-2-7 30G; 11ms; 3 shocks on each axis
Vibration Resistance: EN 60068-2-6 1.5mm; 10 to 55 Hz; 2 hours on each axis
Diagnostic Leds: Power On/Polarity Error, Trigger, IN2, OUT1, OUT2, Ready, Host
Interface 1, Host Interface 2, ID-NET, OUT3

Communication Interfaces:
- Auxiliary: RS232 up to 115.2 Kbit/s
- Data Source: RS232 up to 115.2 Kbit/s
- Host Interface: RS232/RS485 up to 115.2 Kbit/s
- ID-NET™ port up to 1 Mbps

Communication Protocol:
- Datalogic Application Driver (DAD Driver)
- Optional Host Interface modules

Handshaking:
- Message fragmentation and flow control

Address Setting:
- HW Switches, Genius™

Exchange Memory For I/O Data: Up to 128 bytes
Device Programming:
- Windows™ based SW (Genius™) via Serial or Ethernet link
- Serial Host Mode Programming sequences

Compatible devices:
- All devices supporting standard RS232 communication interface

Applications

Manufacturing

Warehousing

Shop floor