



MX4000

Industrial Multiplexer

FEATURES

- High speed data collection from up to 32 reading stations
- RS485 or LonWorks Bus for data collection
- Serial, Interbus-S, Profibus-DP host interfaces
- Multiplexer set up through **WINHOST™** or backlit display and keypad
- **WINHOST™** remote scanner control and set up
- Rugged industrial housing

APPLICATIONS

- Parcel sorting systems
- Material tracking systems
- Work-in-progress control
- Quality control

GENERAL DESCRIPTION

Datalogic's data concentrator, **MX4000**, offers high communication performance, excellent connectivity, and advanced software tools for monitoring and control of data collection networks.

MX4000 has been designed for high speed data collection in a multidrop network of Datalogic bar code readers. Through **MX4000**, a multi-station reading system or a single reading station in a multi-head configuration for 360° reading around the conveyor, can be realized in a very simple way.

Thanks to a multitasking application program, the **MX4000** unit collects data, controls the status of the readers and elaborates statistics.

MX4000 is fitted with 2 serial interfaces for communication with the host computer and makes connection to the most popular industrial Buses very easy. Specific models for the most popular Profibus-DP and Interbus-S are available. Virtually all industrial buses can be connected through standard interface boards. **MX4000** is easily configured by the **WINHOST™** software program. Through the **MX4000**, **WINHOST™** can perform set up procedures on the connected scanners with benefits in time saving, reliability and flexibility.

MX4000 allows complete performance monitoring of each scanner and controls the network's status, providing very useful information for maintenance service.

Datalogic's data concentrator is equipped with a keypad, backlit display and rugged industrial housing resistant to harsh environments.

MX4000 is the ideal solution for today's requirements, and opens a window for tomorrow's needs.

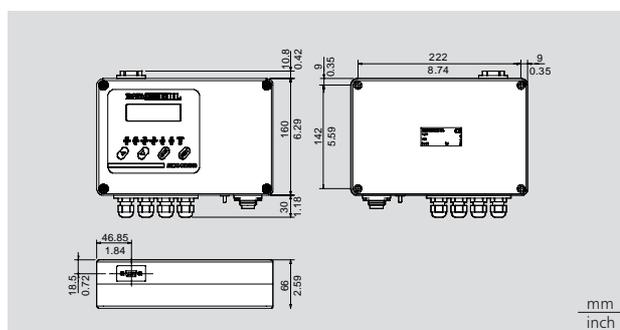
MODELS AND ACCESSORIES

MODEL	DESCRIPTION	ORDER NO.
MX4000-1000	RS485 NETWORK/HOST STD	935151000
MX4000-1100	RS485 NETWORK/PROFIBUS-DP	935151010
MX4000-1200	RS485 NETWORK/INTERBUS-S	935151020
MX4000-2000	LONWORKS NETWORK/HOST STD	935151030

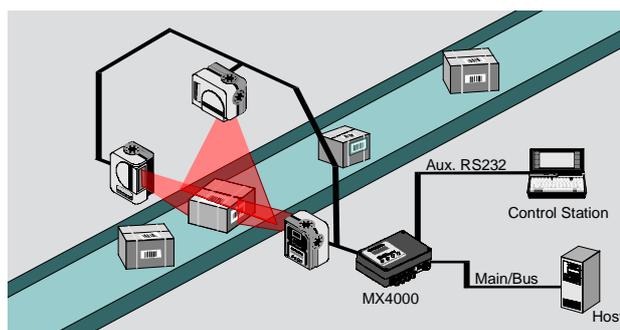
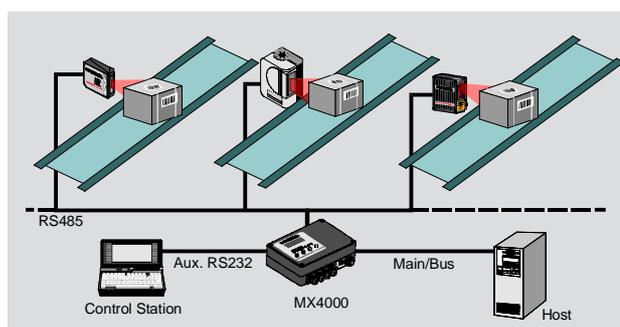
SPECIFICATIONS

POWER SUPPLY	10 to 30 Vdc
MAX. CONSUMPTION	6 W
HOST STANDARD INTERFACE	Programmable RS232 /RS485 Polled - non polled /20 mA C.L. /Up to 115.2 Kbauds
PROFIBUS INTERFACE	Standard - DP protocol
INTERBUS INTERFACE	Standard Interbus-S protocol
OPTIONAL BUS INTERFACE	DeviceNet, Remote I/O, ModBus Plus, ModBus RTU, CANOpen and others (through optional interface boards)
AUXILIARY INTERFACE	RS232/Up to 19.2 Kbauds
INPUT SIGNAL	2 digital inputs (Optocoupled NPN/PNP transistor)
OUTPUT SIGNAL	3 digital outputs (NPN transistor, open collector / emitter)
LED INDICATORS	7 communication status LEDs
KEYPAD	4 membrane keys
DISPLAY	Backlit LCD, 20 characters on 4 lines
CONFIGURATION METHOD	
<i>Manual</i>	Through the keypad
<i>Automatic</i>	Through the serial interface (WINHOST™)
DIMENSIONS	240 x 200 x 66 mm (9.45 x 7.87 x 2.6 in)
WEIGHT	1.95 Kg (4.29 lb)
CASE MATERIAL	Aluminium
OPERATING TEMPERATURE	0 to 55 °C (32 to 131 °F)
STORAGE TEMPERATURE	-20 to 70 °C (-4 to 158 °F)
HUMIDITY	90 % non condensing
VIBRATION RESISTANCE	IEC 68-2-6 test FC 1.5 mm; 10 to 55 Hz; 2 hours on each axis
SHOCK RESISTANCE	IEC 68-2-27 test EA 30 G; 11 ms; 3 shocks on each axis
PROTECTION CLASS	IP58 (IP65 optional)

DIMENSIONS



CONNECTIONS



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We reserve the right to make modifications and improvements

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