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

<table>
<thead>
<tr>
<th>MODEL</th>
<th>DESCRIPTION</th>
<th>ORDER NO.</th>
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<tbody>
<tr>
<td>MX4000-1000</td>
<td>RS485 NETWORK/HOST STD</td>
<td>935151000</td>
</tr>
<tr>
<td>MX4000-1100</td>
<td>RS485 NETWORK/PROFIBUS-DP</td>
<td>935151010</td>
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<tr>
<td>MX4000-1200</td>
<td>RS485 NETWORK/INTERBUS-S</td>
<td>935151020</td>
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<tr>
<td>MX4000-2000</td>
<td>LONWORKS NETWORK/HOST STD</td>
<td>935151030</td>
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### SPECIFICATIONS

- **POWER SUPPLY**: 10 to 30 Vdc
- **MAX. CONSUMPTION**: 6 W
- **HOST STANDARD**: 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**:
  - Manual: Through the keypad
  - Automatic: 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

![Dimensions Diagram](image)

### CONNECTIONS

![Connections Diagram](image)