



SC8000

OMNI-station Controller

FEATURES

- Industrial PC architecture
- Intel microprocessor
- Ethernet remote control
- Detachable logic unit
- Removable CompactFlash™ memory card
- 10" BW/Color VGA display
- Industrial keyboard with 66 keys
- WINDOWS/MS-DOS operating system
- Expansion slots for PC/104 cards
- 4 serial, 1 parallel and 1 Ethernet network adapter on board
- Rugged industrial case

APPLICATIONS

- Real time data collection and system control for omni-directional reading stations
- Parcel sorting stations
- Baggage and cargo sorting systems

GENERAL DESCRIPTION

The Datalogic **SC8000** is a powerful system controller, based on industrial PC architecture, specialized in real time data collection, elaboration and system supervision.

Modern applications in the logistic field need to collect large amounts of data in a very short time interval, elaborate this information in real time, transmit the data through high speed channels and to provide a user-friendly interface.

This technological trend is even more true for material handling applications using bar code technology. **SC8000** fully satisfies all these needs.

SC8000 is fitted with specialized hardware and software to collect data from Datalogic bar code readers through a fast bus protocol at 1.25 Mb/sec.

An innovative range of features makes the **SC8000** unique in terms of service and maintenance. The ability to remotely control the **SC8000** via Ethernet or modem is a real benefit for service operators, and the available industrial keyboard and VGA display enable full operability on the field.

Furthermore, the separation between the logic and wiring units, together with the removable commercial CompactFlash™ storage memory card, makes any maintenance operation easy and fast, hence reducing the cost of ownership of the OMNI-station. The resulting **SC8000** MTTR (mean time to replace) is about 5 minutes.

The **SC8000**'s open architecture has expansion slots for PC/104 standard cards, available for any kind of serial interface and I/O cards, so that the **SC8000** can control and activate local devices or switches.

SC8000 is equipped with 4 serial ports, an Ethernet interface and a CompactFlash™ memory card for local data storage.



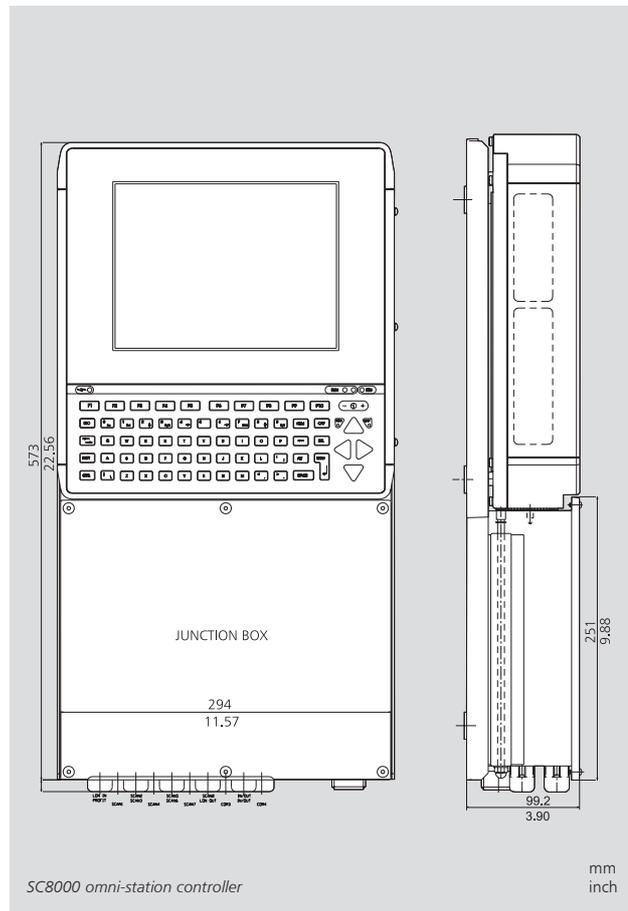
MODELS AND ACCESSORIES

MODEL	DESCRIPTION	ORDER NO.
SC8000-2110	Omni-station controller F-disk	935601070
SC8000-4100	Omni-station controller, full option configuration	935601030

SPECIFICATIONS

POWER SUPPLY	24 Vdc \pm 20%
POWER CONSUMPTION	36 W
ARCHITECTURE	Standard industrial PC + active J-Box
CPU TYPE	80486 133 MHz
CACHE MEMORY	128 KBytes
RAM MEMORY	8 MBytes
STORAGE MEMORY	32 MB CompactFlash™ card (SC8000-2110) 2 GB Hard Disk (SC8000-4100)
DISPLAY TYPE	10" VGA BW (SC8000-2110) 10" VGA COLOR (SC8000-4100)
KEYBOARD	66 keys
INTERFACES	COM1/2 RS232; COM3 RS232/RS485HD COM4 RS232/RS422/RS485/20 mA C.L. Parallel Bi-directional Ethernet 10 Base T Lonworks 1.250 Mb/s
EXPANSION SLOT	PC/104
DIGITAL SIGNALS	8 input/8 output
DIMENSIONS	573 x 300 x 99.2 mm (22.56 x 11.81 x 3.9 in)
WEIGHT	13.4 Kg. (29.48 lbs.)
OPERATING TEMP.	-10 to 50 °C (14 to 122 °F)
STORAGE TEMP.	-20 to 70 °C (-4 to 158 °F)
HUMIDITY	90% non condensing

DIMENSIONS



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We reserve the right to make modifications and improvements

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