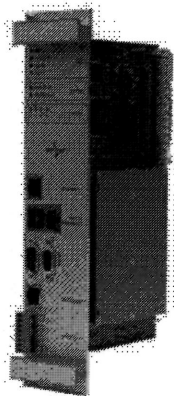


1 DXC 03

Exchange Control Board



Main features

- Connection of up to 192 digital or analog intercom stations
- Addressing of up to 65,000 stations, loudspeakers, etc.
- Connection of IP-based intercom stations
- IP-based system coupling via integrated Ethernet interfaces
- Switching of up to 120 simultaneous communication links
- LEDs to indicate operation, data transmission and errors

The exchange control board 1 DXC 03 is the central unit of the INDUSTRONIC communication and public address system with digital interfaces. It is used for carrying out the exchange functions according to the stored connection program as well as for the data exchange with the connected digital / analogue line cards and intercom stations.

The high-capacity processor unit enables the interconnection of up to 250 INDUSTRONIC systems. Systems and IP based intercom stations can be coupled via the integrated Ethernet interfaces.

Additional features

- Improved redundancy mechanism
- Storing of configuration data on compact flash card
- Loading and reading out of configuration data via Ethernet
- Extensive diagnostic functions
- Monitoring and evaluation of up to five discrete indication signals
- Watchdog monitoring and reset key
- Output with break contact to indicate failures
- Transmission of digitized AF signals to and from the exchange control board with 2 MBit/s
- Effective HDLC interfaces for the communication with the line cards
- Maintenance and service via web interface
- Redundancy operation with 2 control boards possible

Mechanical data	• Height x depth	233 mm x 160 mm (9 1/4" x 6 1/4")
	• Dimensions of the front plate	6 RU, 12 HP
	• Weight	ca. 1 kg (approx. 2 1/4 lb)
Electrical data	• Interfaces	2 x Ethernet 10/100Mbit/s 2 x USB 2.0 1 x RS232 1 x RS485 1 x Extension port RJ45 4 x Analogue control line input
	• Operating system	LINUX
	• Processor	1.6 GHz embedded processor
	• Main memory	1 GB RAM
	• Flash memory	4 GB compact flash card
	• Current consumption	max. 2 A at 5 V
	Environmental requirements and standards	• Temperature range
• EMC		IEC / EN 61000-6-2 IEC / EN 61000-6-4

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