

# 1 DXC 04 Exchange Control Board



## Features and Functions

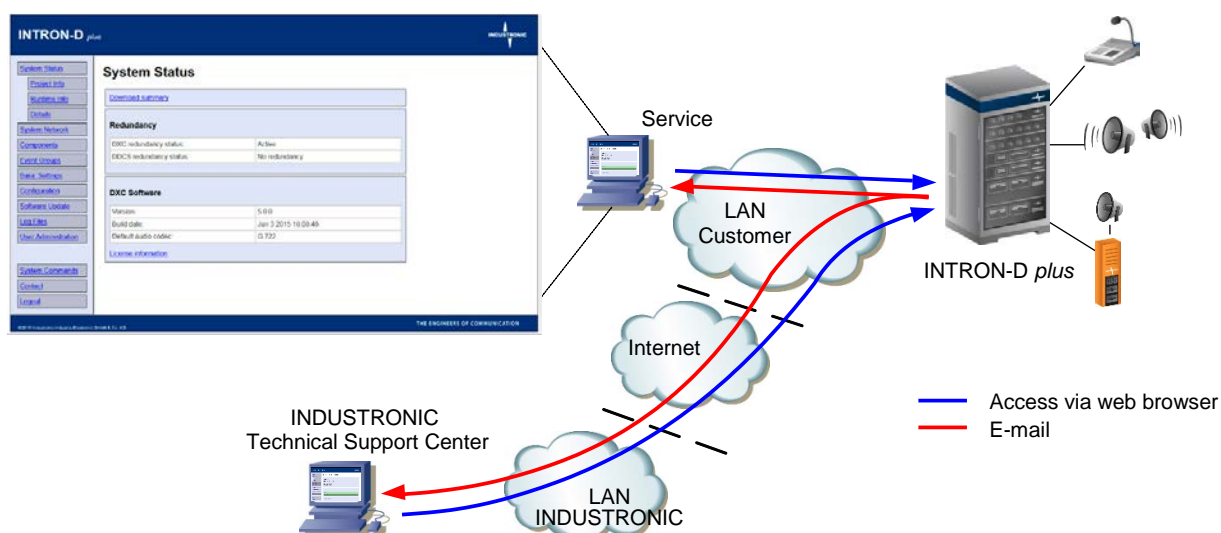
- Connection of up to 192 digital or analog intercom stations
- Addressing of up to 200 IP-based intercom stations
- Addressing of up to 65,000 stations, speaker circuits, etc.
- Switching of up to 200 simultaneous communication channels
- Internal audio processing function (IAP)
- IP-based system interconnection via integrated Ethernet interfaces
- LEDs to indicate operation, data transmission and errors

The 1 DXC 04 exchange control board is the central unit of the INTRON-D *plus* communication and public address system from INDUSTRONIC with digital interfaces. It is used for carrying out the switchboard functions according to the stored configuration file as well as for data exchange between connected digital/analog line cards and intercom stations.

An internal audio processing function enables the playback of up to 1,000 tones and texts. There is a memory space of 500 MB for audio files available which can be activated.

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

The integrated web interface allows users to easily manage the INTRON-D *plus* system. Access is possible using any mainstream web browser which works as a standard application on a work station in the 100Base-T Ethernet network.



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**Additional Features**

- Improved redundancy mechanism
- Storing of configuration data on Compact Flash card
- Uploading and downloading of configuration data via Ethernet
- Extensive diagnostic functions
- Monitoring and evaluation of up to 5 discrete inputs
- Watchdog monitoring and reset key
- Output with break contact to indicate failures
- Transmission of digitized AF signals between exchange control board and line cards with 2 MBit/s
- Effective HDLC interfaces for communication with system components
- Maintenance and service via web interface
- Redundant operation with 2 exchange control boards possible

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**Mechanical Data**

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|---------------------------------|--------------------------------|
| • Height x depth                | 233 mm x 160 mm (9.2" x 6.3")  |
| • Dimensions of the front plate | 6 RU, 12 HP                    |
| • Weight                        | Approx. 1 kg (approx. 2.2 lbs) |

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**Electrical Data**

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|-----------------------|---|
| • Interfaces          | 2 x Ethernet 10/100Mbit/s<br>2 x USB 2.0<br>1 x RS232<br>1 x RS485<br>1 x extension port RJ45<br>4 x analog control line inputs |
| • Operating system    | LINUX   |
| • Processor           | 1.75 GHz dual-core processor  |
| • Main memory         | 4 GB RAM  |
| • Flash memory        | 4 GB Compact Flash card-  |
| • Current consumption | Max. 2.5 A at 5 V   |

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**Environmental Requirements and Standards**

• Ambient temperature during operation	0 °C to +50 °C (+32 °F to +122 °F)
• Relative humidity (non-condensing)	Max. 95 %
• EMC	IEC/EN 61000-6-2 IEC/EN 61000-6-4

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**Order Data**


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**Type Number**


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 341-702-200
 

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Subject to technical modifications