

Preferred Module D *plus* Node

INTRON-D *plus* System



Features and Functions

- Connection of up to 24/96 digital 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

Preferred Modules is a special and prioritized INDUSTRONIC product line. These solutions secure the well-known quality of our PA, PA/GA, Intercom and Siren Systems. Especially designed for use in industrial environments, our years of experience have made these modules the number one choice of our Oil & Gas, Chemical & Pharmaceutical, Steel and Power industry customers.

One of our *Preferred Module* is the D *plus* node. It is used for carrying out all functions according to the stored configuration file as well as for data exchange between connected digital line cards and terminal devices.

An internal audio processing function (requires activation: 101-300-101) 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 controller enables the interconnection of up to 250 INDUSTRONIC D *plus* nodes. The nodes and IP-based terminal devices can be connected via the integrated Ethernet interfaces (e.g. amplifiers, intercom stations).

The integrated web interface allows users to easily manage the INTRON-D *plus* system. Access is possible using any mainstream web browser.

The preferred module is ready for installation straight out of the box – including all necessary accessories, e.g. circuit breakers, a DC/DC converter, relays etc. It can be easily expanded by our various expansion modules (→ Accessories”, page 3).

Modules



Type	PMOD D <i>plus</i> node 01/3RU
Description	19" sub-rack, 3 RU equipped with: 1 x 2 DSM 02 system mainboard, DC/DC converter, exchange control board with Ethernet/IP interface for system interconnection, IP terminal equipment connection and integrated webserver, ready for connection with fuses, installation kit, relay, cable feedthrough panel (+ 1 RU) and blank plates
Type Number	325-100-001

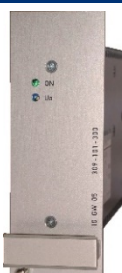


Type	PMOD D <i>plus</i> node 01/6RU
Description	19" sub-rack, 6 RU, equipped with: 1 x 8 DSM 02 system mainboard, DC/DC converter, exchange control board with Ethernet/IP interface for system interconnection, IP terminal equipment connection and integrated webserver, ready for connection with fuses, installation kit, relay, cable feedthrough panel (+ 1 RU) and blank plates
Type Number	325-100-002

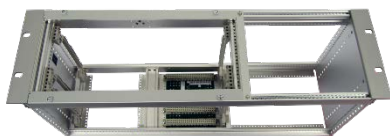
Components



Type	1 DXC 04
Description	Exchange control board with integrated web server for administration
Type Number	341-702-200



Type	10 GW 05
Description	DC/DC converter board
Type Number	309-101-300



Type	3 DBT 11 (for module 325-100-001)
Description	Mounting rack 19", 3 RU, for one INTRON-D <i>plus</i> exchange control board, 2 line cards and further boards of 3 RU size
Type Number	216-330-100



Type	7 DBT 13/6 (for module 325-100-002)
Description	Mounting rack 19", 6 RU, for one INTRON-D <i>plus</i> exchange control board, 8 line cards and further boards of 3 RU size
Type Number	216-290-100



Description	Mounting and installation instructions
Type Number	UMN-325-100-001

Accessories

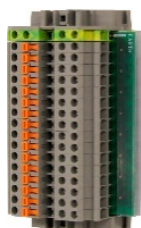


Type	PMOD DDL LSZH-FR 01*
Description	Line card for up to 12 digital intercom stations
Type Number	341-799-225

*Available as an option if digital intercom stations are required.



Type	03/03 NSG 001*
Description	IP interface for analog systems with 4-wire AF interface, 3 potential-free inputs and 3 potential-free outputs, for rail mounting
Type Number	302-056-000
	*Available as an option if I/O lines or analog intercom stations are required.



Type	8 OVDT 01*
Description	Terminal block for 8 twin wires with surge protection and disconnecting function, clamping range 0.14 mm ² to 4 mm ²
Type Number	218-810-100
	*Available as an option if surge protection is required.

Technical Data

Mechanical Data	<ul style="list-style-type: none"> • Mounting 	19" system rack, 3 RU / 6 RU
	<ul style="list-style-type: none"> • Width x height x depth 	3 RU: 483 mm x 132 mm x 180 mm (19" x 5.20" x 7.09") 6 RU: 483 mm x 267 mm x 180 mm (19" x 10.51" x 7.09")
	<ul style="list-style-type: none"> • Weight 	3 RU: approx. 4.5 kg (approx. 9.92 lbs) 6 RU: approx. 5.5 kg (approx. 12.13 lbs)
Electrical Data	<ul style="list-style-type: none"> • Interface 	2 x Ethernet 10/100 Mbit/s
	<ul style="list-style-type: none"> • Input Voltage 	36 VDC to 72 VDC (with NSG: 42 VDC to 57 VDC)
Environmental Requirements	<ul style="list-style-type: none"> • Ambient temperature during operation 	0 °C to +50 °C (+32 °F to +122 °F)
	<ul style="list-style-type: none"> • Relative humidity (non-condensing) 	Max. 95 %
Standards and Certifications	<ul style="list-style-type: none"> • EMC 	EN 61000-6-2, EN 61000-6-4
	<ul style="list-style-type: none"> • Safety 	EN 60950-1

Type Overview

Type	3 RU - Card Space	6 RU - Card Space	2-pole CBs	Relay	Type Number
PMOD D <i>plus</i> node 01/3RU	22 HP	2 x 4 HP	8	1	325-100-001
PMOD D <i>plus</i> node 01/6RU	1 x 30 HP 1 x 38 HP	8 x 4 HP	10	1	325-100-002

Please Note:

You require INDUSTRONIC activations* and the configuration software "Config Manager" to start up the modules!

Type	Type Number
ACT -ystem INTRON-D <i>plus</i>	101-100-001
Config Manager INTRON-D <i>plus</i> /1USB	100-702-200/1

*The activation mentioned here is mandatory! Other activations for interfaces, call functions or field equipment have to be ordered separately, if required!

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