

IP Desktop Intercom Stations

12 NIB 001 Series



Features and Functions

- IP desktop intercom stations for indoor use
- 12 keys with protective labels for individual key labeling and multi-color status indication (e.g. call or busy signaling)
- Dial keypad to dial any desired call number
- LCD display for displaying status information
- Microphone sensitivity and speaker volume can be adjusted locally and via web interface
- Network connection via Ethernet
- PoE or external power supply
- Monitoring of microphone function
- Audio bandwidth of up to 16 kHz
- Degree of protection IP41

The IP desktop intercom stations of the 12 NIB 001 series have been designed for indoor use in control rooms, measuring stations, or offices. They are operated at the INTRON-D *plus* communication and public address system from INDUSTRONIC.

The compact plastic housing has a built-in microphone, speaker, LCD display, dial keypad, 4 function keys as well as 12 keys (e. g. for direct calls) with protective labels. Multi-color LEDs on the keys indicate different states.

Depending on the type of application, the intercom stations can be placed on a desk or mounted to a wall.

The housing with IP41 protects the built-in electronics against the ingress of solid objects and dripping water.

12 NIB 001



12 NIB 001/IM



12 NIB 001/W





Gooseneck Microphone or Built-in Microphone

The IP desktop intercom stations of the 12 NIB 001 series are available with gooseneck microphone or built-in microphone. Electronic noise compensation and dynamic compression reduce ambient noise and prevent microphone distortion.

LCD Display

Depending on the function selected, the LCD display shows different types of information, e.g. the name of your intercom station or of the calling subscriber. It also displays the individual user menus. Up to 32 (2x16) characters can be displayed.

Dial Keypad

By dialing a call number via the dial keypad, you can establish a voice connection to any desired subscriber. To do this, use the * key to speak and the # key to delete the call number.

Speaker

The built-in speaker ensures highest intelligibility.

4 Function Keys

The 4 function keys are used to adjust the speaker volume and the microphone sensitivity, for example.

12 Multi-color Keys with Protective Labels

With the 12 keys arranged at the side, you can trigger alarms or establish direct connections to pre-defined subscribers.

Each key reliably indicates different states, depending on the respective function (e.g. call or busy status).

You can write the name of the corresponding target or the function on the protective label. The key assignment of the different functions depends on the project-specific and customer-specific requirements.

12 NIB 001 Series



Type	12 NIB 001
Description	IP desktop intercom station with gooseneck microphone, dial keypad, 12 keys, 4 function keys, LCD display, plastic housing with metal base plate including 3 m (9.8 ft) connection cable
W x H x D	130 mm x 55 mm x 182 mm (5.1" x 2.2" x 7.2") Gooseneck microphone 290 mm (11.4")
Weight	Approx. 0.8 kg (approx. 1.8 lbs)
Type number	302-055-100
Accessories	Universal power adapter (see "Accessories", on page 4)



Type	12 NIB 001/IM
Description	IP desktop intercom station with built-in microphone, dial keypad, 12 keys, 4 function keys, LCD display, plastic housing with metal base plate including 3 m (9.8 ft) connection cable
W x H x D	130 mm x 55 mm x 182 mm (5.1" x 2.2" x 7.2")
Weight	Approx. 0.8 kg (approx. 1.8 lbs)
Type number	302-055-100/IM
Accessories	Universal power adapter (see "Accessories", on page 4)



Type	12 NIB 001/W
Description	IP wall-mounted intercom station with built-in microphone, dial keypad, 12 keys, 4 function keys, LCD display, plastic housing with metal base plate
W x H x D	130 mm x 59 mm x 210 mm (5.1" x 2.3" x 8.3")
Weight	Approx. 1 kg (approx. 2.2 lbs)
Type number	302-055-100/W
Accessories	Universal power adapter (see "Accessories", on page 4)

Accessories



Type	EU power adapter 48 V
Description	For power supply without Power-over-Ethernet (PoE), can be used throughout Europe, cable length approx. 1.9 m (6.2 ft), input voltage 90 VAC to 264 VAC / 47 Hz to 63 Hz, output voltage 48 VDC / 0.31 A
Type number	309-031-500



Type	Universal power adapter 48 V
Description	For power supply without Power-over-Ethernet (PoE), interchangeable power plugs, can be used worldwide (Asia, Australia, Europe, UK, and USA), cable length approx. 1.4 m (5 ft), input voltage 90 VAC to 264 VAC / 47 Hz to 63 Hz, output voltage 48 VDC / 0.42 A
Type number	309-042-200

Technical Data

Electrical Data	• Power supply	PoE according to IEEE 802.3af, Class 2, 6.5 W or external 48 VDC power supply (42 VDC to 57 VDC, 0.15 A at 48 V)
	• Typical power consumption	2.5 W
	• Amplifier power	1 W
	• Frequency range	200 Hz to 16,000 Hz (+/-3 dB)
	• Speaker	5 W / 8 Ohms
	• Sound pressure level (distance of 50 cm (1.6 ft))	90 dB (+/-3 dB)
Interfaces	• 1 x RJ45 port 10/100 MBit/s (LAN + PoE)	
	• 1 x DC power jack (for external power supply)	
	• 1 x Mini USB service port	
Network Requirements	• Power over Ethernet (PoE) recommended	
	• IPv4 network	
	• Support of UDP, SCTP, RTP and RTCP protocols	
	• Quality of Service (QoS)	
	• Ideal latency value < 20 ms (max. 50 ms)	
	• Jitter: max. 10 ms	
	• 10Base-T/100Base-TX Ethernet (IEEE 802.3), 100 MBit/s recommended	
• 200 kBit/s basic bandwidth and 200 kBit/s per active audio channel		
Environmental Requirements and Standards	• Ambient temperature during operation	-10 °C to +55 °C (-14 °F to +131 °F)
	• Relative humidity (non-condensing)	Max. 95 %
	• Degree of protection	IP41
	• EMC	IEC/EN 61000-6-2 IEC/EN 61000-6-4
	• Microphone monitoring according to	DIN EN 60849

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