



## 12 NIB 001 Series

# IP DESKTOP INTERCOM STATIONS

### FOR INDOOR USE

The intercom stations have been designed for indoor use in control rooms, measuring stations, or offices.

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 connections) 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.

Its connectivity and health status is constantly monitored, logged and flexibly notified system-internally and to third-party systems.



- 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
- Self-diagnostics by monitoring of internal electronics, microphone and network connectivity
- Audio bandwidth of up to 16 kHz
- Degree of protection IP41





### 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. The electronic noise compensation and dynamic compression reduce the 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.

# SERIES OVERVIEW

## 12 NIB 001 SERIES



<b>12 NIB 001</b>	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 (9.84 ft) connection cable
<b>W x H x D</b>	130 mm x 53.5 mm x 182 mm (5.12" x 2.11" x 7.17") Gooseneck microphone: length 290 mm (11.42")
<b>Weight</b>	Approx. 0.8 kg (approx. 1.76 lbs)
<b>Type number</b>	302-055-100
<b>Accessories</b>	Universal power adapter, see page 5



<b>12 NIB 001/IM</b>	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 (9.84 ft) connection cable
<b>W x H x D</b>	130 mm x 53.5 mm x 182 mm (5.12" x 2.11" x 7.17")
<b>Weight</b>	Approx. 0.8 kg (approx. 1.76 lbs)
<b>Type number</b>	302-055-100/IM
<b>Accessories</b>	Universal power adapter, see page 5



<b>12 NIB 001/W</b>	IP wall-mounted intercom station with built-in microphone, dial keypad, 12 keys, 4 function keys, LCD display, plastic housing with metal base plate
<b>W x H x D</b>	130 mm x 59 mm x 210 mm (5.12" x 2.32" x 8.27")
<b>Weight</b>	Approx. 1 kg (approx. 2.20 lbs)
<b>Type number</b>	302-055-100/W
<b>Accessories</b>	Universal power adapter, see page 5

## TECHNICAL DATA

### ELECTRICAL DATA

<b>Power supply</b>	PoE according to IEEE 802.3af, Class 2, 6.5 W or external power supply 48 V DC (42 V DC to 57 V DC, 0.15 A at 48 V)
<b>Typical power consumption</b>	2.5 W
<b>Amplifier power</b>	1 W
<b>Frequency range</b>	200 Hz to 16,000 Hz (+/-3 dB)
<b>Speaker</b>	5 W / 8 Ohms
<b>Sound pressure level (distance of 50 cm (19.69"))</b>	90 dB (+/-3 dB)

## INTERFACES

1 x RJ45 port 10/100 MBit/s (LAN + PoE)
1 x DC power jack (for external power supply) inner diameter: 2.1 mm (0.08"), outer diameter: 5.5 mm (0.22")
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

## 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 (6.23 ft), DC plug with inner diameter 2.1 mm (0.08") and outer diameter 5.5 mm (0.22"), input voltage 90 V AC to 264 V AC / 47 Hz to 63 Hz, output voltage 48 V DC / 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 (4.59 ft), DC plug with inner diameter 2.1 mm (0.08") and outer diameter 5.5 mm (0.22"), input voltage 90 V AC to 264 V AC / 47 Hz to 63 Hz, output voltage 48 V DC / 0.42 A
Type number	309-042-200