



NCP 001 D

IP PC INTERCOM STATION

INTERCOM STATION AS DESKTOP VERSION WITH CUSTOMIZABLE USER INTERFACE

The NCP 001 D provides an advanced solution for an IP PC intercom. It is especially designed for use in state-of-the-art control rooms. The software runs on a PC with Microsoft® Windows® 10 operating system. Operation is possible via mouse or via optional touch screen.

There are two network interfaces available which allow for a redundant network access. If one network interface fails, data is transmitted via the second one.

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



- Graphical user interface divided into clearly structured areas and layers
- User interface highly customizable
- Layer navigation for each area possible
- Management of up to 2000 buttons
- Redundant network interface
- Audio bandwidth of up to 16 kHz
- Speaker and microphone volume adjustable via user interface
- Cleaning mode for touch panel

OTHER FEATURES

Intuitive user interface and clear indication of current events

Software can run exclusively or in window mode

Design of user interface can be configured via the INDUSTRONIC configuration software Config Manager

Changes in configuration can also be performed on site using the Config Manager (e.g. number, layout, labeling and functions of the buttons, signaling, user interface layout)

Status indications:

Connection to the system

Microphone active while connection is established

Speaker or microphone muted

Confirmation prompt prior to alarm start

Dial keypad

Various screen sizes and resolutions

Support of two monitors when application runs in window mode



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Subject to technical modifications - Doc. no. DAT-351-600-100 • V08 • EN • 04.08.2022

COMPONENTS

The components listed below can be ordered from INDUSTRONIC in different sales packages. If hardware is provided by the customer, we recommend consulting INDUSTRONIC to check the compatibility of the equipment.

INDUSTRONIC assumes no guarantee for the reliable functioning of the NCP software if hardware from the customer or from third-party suppliers is used.



Type	1 NIPC 004
Description	PC with Windows® 10 IoT, Intel® Core™ i3, 4 GB RAM, SSD 120 GB
Type Number	351-100-400



Type	19 NTMD 003
Description	19" touch screen monitor with base and bracket for mounting the PC of 1 NIPC 001, 1 NIPC 002 and 1 NIPC 004 series
Type Number	351-200-400



Type	24 NTMD 001
Description	24" touch screen monitor with base
Type Number	351-200-500



Type	1 NMID 001
Description	Desktop microphone with Push-to-Talk button (PTT button) for connection to a PC via a 1.4 m (4.59 ft) long USB cable
Type Number	001-002-013



Type	1 NMID 002
Description	Desktop microphone with Push-to-Talk button (PTT button) for connection to the handset of the 1 NHAS 001 series via a 1.6 m (5.25 ft) long RJ10 cable
Type Number	001-002-014



Type	2 NSPD 002
Description	Desktop speakers for connection to a PC via a 1 m (3.28 ft) long USB cable, 100 Hz to 18 kHz
Type Number	202-523-500



Typ	30 NSPD 002
Description	Desktop speakers for connection to the handset of the 1 NHAS 001 series via a 1.5 m (4.92 ft) long RJ10 cable, 170 Hz to 20 kHz
Type Number	202-523-600



Typ	1 NHAS 001
Description	Handset with Push-to-Talk button (PTT button) for connection to a PC via a 2 m (6.56 ft) long USB cable
Type Number	070-007-134



Type	1 NHES 001
Description	Monaural headset with flexible gooseneck microphone, USB interface with PTT button, for operation at an IP PC intercom station NCP 001 D. Interface: USB-A
Type Number	070-013-003



Type	1 NHES 001/H
Description	Monaural headset with flexible gooseneck microphone, for operation at an IP PC intercom station NCP 001 D. For hygiene reasons, we recommend a personal headset for every employee. To operate the headset you require one single USB interface with PTT button (included in type number 070-013-003). Interface: Binder plug
Type Number	070-013-002

NETWORK REQUIREMENTS

IPv4 network
Support of UDP, TCP, 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 for active audio channel

TECHNICAL DATA

MINIMUM REQUIREMENTS FOR PC HARDWARE*

Processor	Intel® Core™ i3 processor (or comparable)
Mass storage	120 GB HDD or SSD
RAM	4 GB
Graphics	Intel® HD 4400 (or comparable), DirectX 11
Graphics interface	DVI, HDMI or DisplayPort (in correspondence to the monitor)
Interfaces	4 x USB 3.0
Network interfaces	2 x LAN 100 MBit

*Dedicated hardware recommended. One audio component must be exclusively available for NCP applications.

ACTIVATIONS

Description	Type Number
ACT-NCP Base Activation for one INDUSTRONIC IP intercom station of the NCP series	101-200-001
ACT-NCP 200 Buttons Activation of 200 buttons for INDUSTRONIC IP intercom stations of the NCP series	101-200-003

OPERATING SYSTEM

Software runs under Microsoft® Windows® 10 IoT and
Windows® 10 Pro

ORDER DATA

Type	Software	Speaker		Microphone		Handset	PC	Monitor		Type Number
		2 NSPD 002	30 NSPD 002	1 NMID 001	1 NMID 002			1 NHAS 001	1 NIPC 004	
NCP 001 S	x									351-600-100
NCP 001 S-A01	x	x		x						351-601-100
NCP 001 S-A02	x		x		x	x				351-601-200
NCP 001 D-A01C04M1901	x	x		x			x	x		351-610-400
NCP 001 D-A02C04M1901	x		x		x	x	x	x		351-610-500
NCP 001 D-A01C04M2401	x	x		x			x		x	351-610-600

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