

NCP 001 R

IP PC Intercom Station for Rack Mounting



Features and Functions

- 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
- Intuitive user interface and clear indication of current events
- Speaker and microphone volume adjustable via user interface
- Cleaning mode for touch panel PC
- Audio bandwidth of up to 16 kHz
- Network connection via Ethernet

The NCP 001 R provides an advanced solution for an IP PC intercom station which is operated together with the INTRON-D *plus* communication and public address system from INDUSTRONIC. It is especially designed for use as a service station installed inside a cabinet. Operation is possible via touch screen. The function of the intercom station is permanently monitored.

Other Features

- 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 buttons, signaling, user interface layout)
- Status indications:
 - Connection to central exchange unit
 - Microphone active while connection is established
 - Speaker or microphone muted
- Confirmation prompt prior to alarm start
- Dial keypad

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| Components | <ul style="list-style-type: none"> • Software for NCP 001 • PC with Microsoft® Windows® 10 IoT • 15" TFT monitor with resistive touch screen suitable for industrial environments, 1024 x 768 pixels • Gooseneck microphone • Loudspeaker |
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| Mechanical Data | <ul style="list-style-type: none"> • Construction 19" slide-in chassis, 6 RU • Width x height x depth 483 mm x 267 mm x 150 mm (19" x 10.5" x 5.9") • Weight 7 kg (15.4 lbs) • Color RAL 9005 (Deep Black) |
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| Electrical Data | <ul style="list-style-type: none"> • Operating voltage 12 VDC • Max. current consumption 4 A • Typical power consumption 20 W |
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| Operating System | <ul style="list-style-type: none"> • Microsoft® Windows® 10 IoT |
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| PC Hardware | <ul style="list-style-type: none"> • Processor Intel® Core™ i3 processor • Mass storage SSD • Network interface LAN 100 MBit |
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| Network Requirements | <ul style="list-style-type: none"> • IPv4 network • Support of UDP, TCP, RTP and RTCP protocols • Quality of Service (QoS) <ul style="list-style-type: none"> • 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 |
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| Type Overview | Type | Type Number |
|---------------|-----------------------|-------------|
| | NCP 001 R-A51C04M1550 | 351-650-400 |

| 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 |

Accessory



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| Type | 4 GW 01 |
| Description | DC/DC converter, input voltage from 36 VDC to 72 VDC, output voltage 12 VDC, max. input current 1.5 A, max. output current 4.2 A |
| Type Number | 309-107-200 |

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