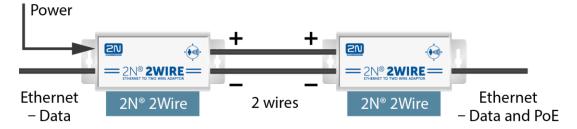# 2N

01404-001
2N® 2Wire

Product features

- Using legacy analog 2 wire cabling for IP intercom connection including PoE power supply
- Saves cost for UTP cabling and makes possible to install IP intercoms on legacy infrastructure
- Alternatively one leader unit can support up to four followers
- Long range Ethernet extension over 2 wires or coax
- IEEE 802.3 af/at Compliant 40 Watt PoE+ for IP intercom power supply
- Easy configuration, no IP address and network setup required, plug&play
- Calculated MTBF = 340,000 hours

Includes

- 2pcs converter unit with Coax / 2 wire adaptor
- 1pc power supply adaptor

Product use

- Install leader unit where your ethernet cable ends and 2 cable wiring begins
- Plug in Ethernet and 2 cable wiring into 2N® 2Wire
- Install follower unit where you need convert 2 cable wiring back to Ethernet at remote location. **Please observe polarity, - port of leader unit must be connected to – port of follower unit and + port of leader unit must be connected to + port of follower unit**
- Power supply needs to be connected after 2 cable wiring is connected. Connecting 2 cable wiring to the converter with power supply connected can cause damage
- Connect provided power supply to leader unit
- Any of the units can be leader or follower. Leader unit is the one with connected power supply, while follower is powered via 2 wires
- Blue Power LED indicators should indicate that both units are powered
- Both BNC and PoE green LED should be blinking, thus signalling established connection and data transmission
- **Do not connect 2N® 2Wire units to PoE ports. If you don't have any non-PoE ports available, make sure to disable PoE on the port you're going to connect 2N® 2Wire to.**

! Not respecting the polarity can cause damage or destruction of one or both units.

Ethernet Interface

- Connector Type : RJ45
- Speed : 10/100 Base T, half/full duplex, auto-negotiation
- IEEE 802.3 af/at 40Watt Compliant PoE+

Extended Wiring Interface (2 wire/coax)

- Cable Type : 2Wire, Cat 5e., Cat 6. or Similar
- Impedance : 25Ω to 100Ω
- Transmit Coverage : Typical 720ft (220m) @ Cat6 with PoE at far end; up to 2460ft (750m) possible; depends on wiring and interference

Transmission Method

- Access Method : CSMA/CA and TDMA
- Modulation Method : Windowed OFDM
- Frequency band : 1.8MHz to 30MHz

LED Indicators

- Power : Blue – Power ON
- BNC : Green – Link ON
- PoE : Green – Link ON

AC/DC Power Supply (provided)

- Input AC : 100 ~ 240VAC , 50~60 Hz
- Output DC : 48VDC / 0.84A ~ 1.25A

Dimension of one unit

- 1.57x1.57x2.95in., 40x40x75mm (HxWxL)
- Weight : 4.2oz (120g)
- Material : Extruded Aluminum

Environmental

- Operating Temperature : 14°F to 122°F (-10°C to +50°C)
- Storage Temperature : -22°F to 158°F (-30°C to +70°C)
- Must be installed in a ventilated area

EC Declaration of Conformity

Hereby, 2N TELEKOMUNIKACE a.s. declares the equipment type 2N® 2Wire is in compliance with directives 2014/30/EU, 2014/35/EU and 2011/65/EU. The full text of the EU declaration of conformity is available at the internet address www.2n.com/declarations.