



2N® 2Wire

2N® 2Wire is a converter that allows you to connect any IP device in places without an IP infrastructure. You only need to use the existing cable wiring from a doorbell or telephone. What's more, one cable is all you need for both data transfer and power supply.



Buildings with analogue infrastructure

Sites with limited IP infrastructure

Ethernet including PoE over 2 wires

Connect any IP device using a two-wire or coaxial cable, even in an analogue environment, or a site with limited IP infrastructure.

Easy installation

No more configuring! At each end of the cable you just plug in one 2N® 2Wire unit and connect at least one of them to a power source.

Long reach

Powering the IP-connected devices via PoE is possible up to a distance of 220 m, twice the maximum Ethernet specification cable length.

2N® 2Wire

FEATURES & BENEFITS

Universal Ethernet 'extension'

With 2N® 2Wire you'll get Ethernet even in places with no IP network. You can hook up any IP devices, e.g. 2N IP intercoms.

Robust aluminium housing

Thanks to its aluminium housing the 2N® 2Wire converter is rugged and resistant to mechanical damage.

Utilize existing cabling

2N® 2Wire enables you to make use of existing wiring. You won't have to lay new cables or do construction work.

Reliability

The converter will not let you down. It is significantly more reliable, in comparison with alternatives, such as a WiFi connection.

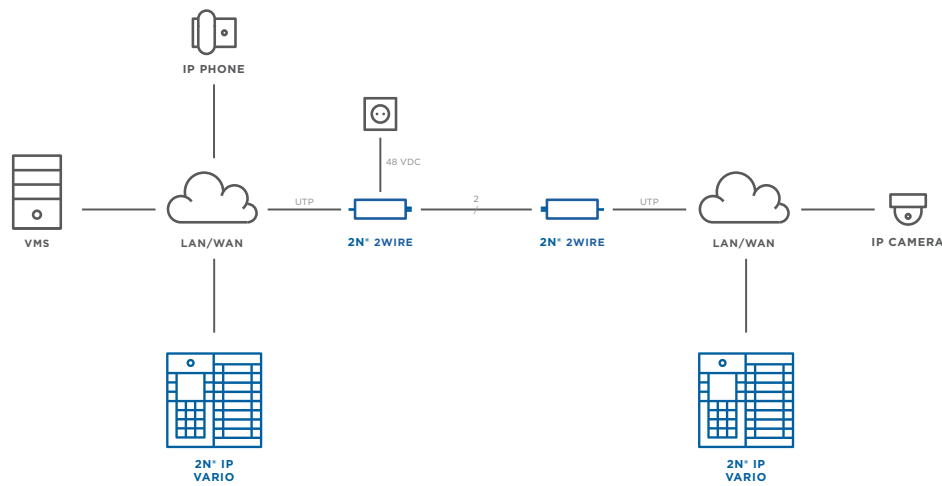
Screw-in connectors

2N® 2Wire uses high-quality connectors, which prevents cables from falling out, giving you even more reliability.

Power supply

Included is an adapter with a selectable US/UK/EU plug.

DIAGRAM



TECHNICAL PARAMETERS

Ethernet interface

| | |
|----------------|--|
| Connector type | RJ45 |
| Speed | 10/100 Base T, half-duplex / full-duplex, auto-negotiation |

IEEE 802.3af/at 40 W,
PoE+ compatible

Extension cable interface (2-wire/UTP)

| | |
|----------------|----------------------------------|
| Cable type | 2-wire, Cat 5e, Cat 6 or similar |
| Impedance | 25 Ω to 100 Ω |
| Transfer range | max. 220 m (720 ft) with Cat 6 |

Transfer method

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

LED indicator lights

| | |
|--------------|-----------------------|
| Power supply | Blue - power on |
| BNC | Green - connection on |
| PoE | Green - connection on |

Electrical power supply

| | |
|-----------------|--|
| AC input | 100-240 VAC, 50-60 Hz |
| DC output | 48 VDC / 0.84 A-1.3 A |
| Characteristics | U _{in} < 1,1V (L), U _{in} > 3V (H), max. U _{in} = 32V |

Mechanical properties

| | |
|-----------------------|--|
| Dimensions | 1.57 x 1.57 x 2.95 in, 40 x 40 x 75 mm (h x w x d) |
| Weight | 120 g (4.2 oz) |
| Material | extruded aluminium |
| Operating temperature | 14 to 122°F (-10 to +50°C) |
| Storage temperature | -22 to 158°F (-30 to +70°C) |

HARDWARE

- 2N Access Unit** - access control unit for building access
- 2N® IP Verso** - modular security intercom for the most discerning customers
- 2N® IP Force** - arguably the most robust IP intercom worldwide
- 2N® IP Vario** - a variable intercom with an elegant design
- 2N® IP Uni** - a doorway intercom that is remarkably affordable
- 2N® IP Audio/Video Kit** - OEM intercoms designed to fit into your equipment