



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.

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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.

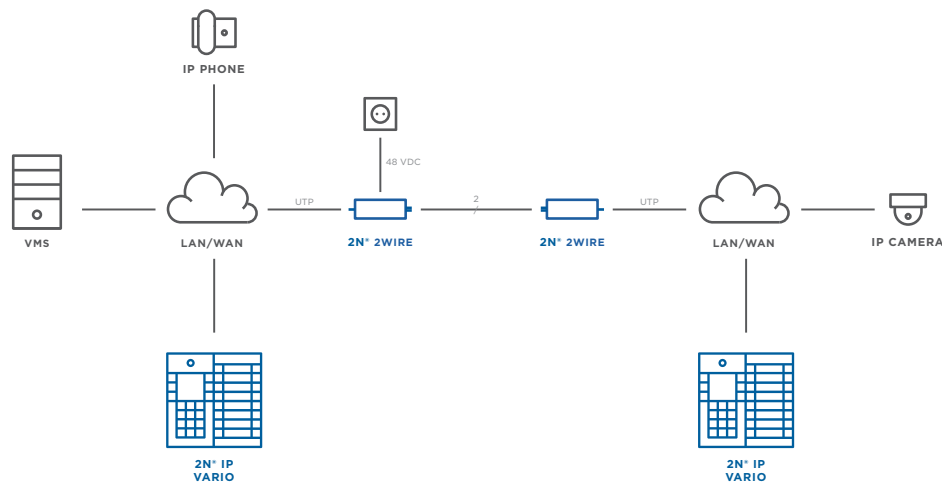
Screw-in connectors

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