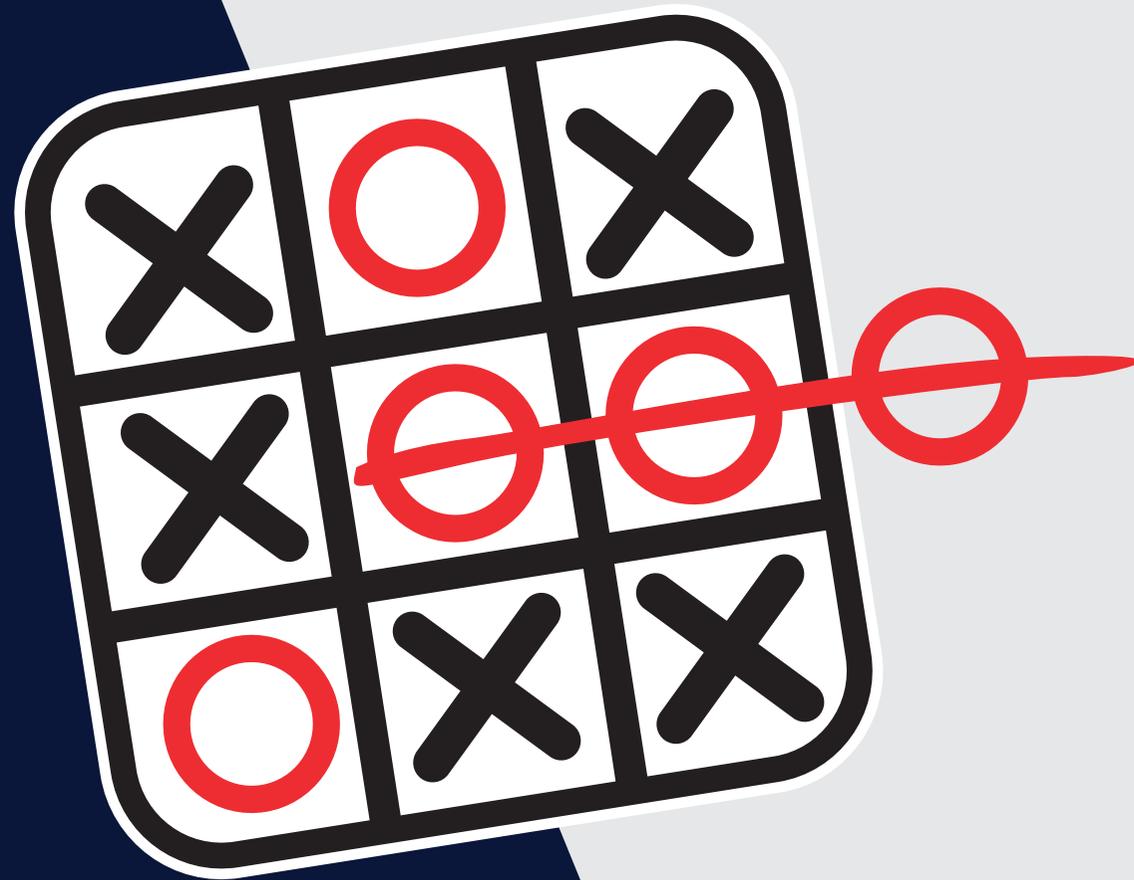# ALLNET®

Solutions

Complete and technology solutions with *ALLNET Brand products*

Do you have an IT problem?

Believe it or not: We actually listen to you! In the last 30 years we have collected quite a few problems of our customers around the topic of IT, network and communication and work daily to solve them. Sometimes it's a simple "I need to install an IP camera, but there's no power outlet here!", but every now and then it's a "do you happen to have a complete digital signage solution?". As long as you don't ask for a WiFi cable, our motto is: **No way? Not possible!**

One of our biggest hobbyhorses is PoE. Why? We know how annoying the thousands of cables are that we need for all of today's devices! That's why we wanted a technology that combines **network and power** in one cable early on. Nowadays it's called "PoE", short for Power over Ethernet. With a single patch cable, you can span up to 100 meters to install the access point outside on a pole. But we're getting even further! Up to 500 meters of PoE - that's still enough for the camera in the farthest corner of the warehouse.

But PoE is not only built into typical network devices. You certainly know the countless digital displays in shopping malls, hotels - even at home for your own home automation. The problem is that they are quite expensive, cannot be controlled centrally and, of course, you have to rely on a power outlet. So we thought: Couldn't we build PoE into the tablets? Today, we have a **wide range of tablets, displays** and the like for all kinds of applications. Do you have a company entrance, hallway or counter where your customers walk by every day? Just set up a PoE tablet there and let your advertising run through it - we promise: you'll love it! And as always... you only need a patch cable.

Your ALLNET Brand Team!
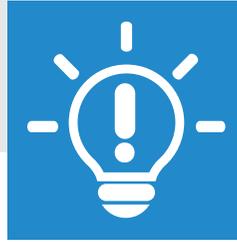
We have the solution!

- ☑ **Network via existing telephone and TV cables**

- ☑ **Digital signage for home automation, advertising & special areas**

- ☑ **Small, affordable single board computers for any application**

- ☑ **Network and power via one patch cable**

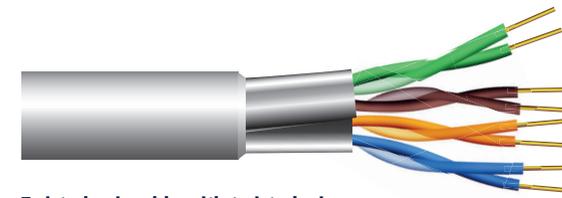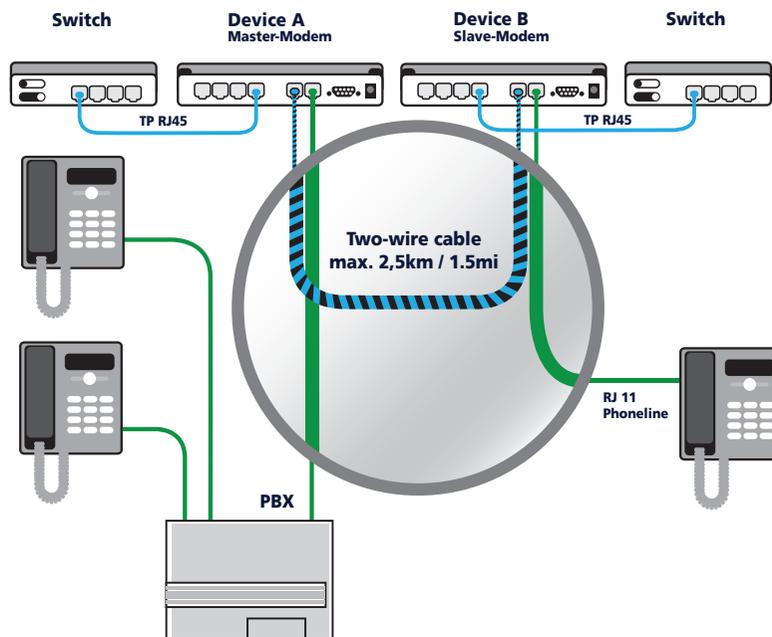- ☑ **Control, measure & regulate via IP**

Network via existing cable infrastructure

- Rewiring is not possible in the building?
- Do you want to use telephone and TV cables for network connections?
- Need to keep costs and effort down?

- Modems for point-to-point connections
- Use of existing telephone and TV cables
- Partly with integrated splitters and switches

Switch **Device A** Master-Modem **Device B** Slave-Modem **Switch**

TP RJ45 TP RJ45

Two-wire cable max. 2,5km / 1.5mi

RJ 11 Phoneline

PBX

Twisted pair cable with twisted wires

50/75Ohm Coax TV cable

Technology	Maximum speed & cable length	Type of Cable
G.fast via two-wire	Up to 1,5Gbit/s - Up to 500m / 0,3mi	Two-wire Twisted Pair
G.hn via two-wire	Up to 250Mbit/s - Up to 350m / 0,2mi	Two-wire Twisted Pair
G.hn via Coax	Up to 720Mbit/s - Up to 800m / 0,5mi	50/75 Ohm Coaxial cable
VDSL2 via two-wire	Up to 100Mbit/s - Up to 2,5km / 1,5mi	Two-wire Twisted Pair

Managed

Here you can change parameters or profiles to eliminate disturbances or to increase the range.

Integrated Switch

The integrated switch provides you with additional ports at the installation site. Additional ports can be realized via further switches.

Integrated Splitter

The integrated splitter enables you to use both analog telephony and broadband simultaneously on the same wire pair.

Integrated PoE Port

The integrated PoE port allows to directly operate an end device with PoE. No external PoE injector or switch is required.

G.fast via two-wire bundle

Art.Nr.: 183219
ALL-BM320

- Managed
- Integrated 4-Port Switch
- Integrated analogue Splitter
- Max. 500m cable length
- Max. 1,5Gbit/s

G.hn via two-wire bundle

Art.Nr.: 124345
ALL-GHN101-2-wire-Set

- Unmanaged
- Integrated 2-Port Switch
- Integrated analogue Splitter
- Max. 350m cable length
- Max. 250Mbits/s

G.hn via Coax bundle

Art.Nr.: 124346
ALL-GHN102-Coax-Set

- Unmanaged
- Integrated 2-Port Switch
- Integrated TV Splitter
- Max. 800m cable length
- Max. 720Mbit/s

VDSL2 via two-wire bundle

Art.Nr.: 102425
ALL-MC115VDSL2 Bundle

- Unmanaged
- Integrated 2-Port Switch
- Without integrated Splitter
- Max. 1km cable length
- Max. 100Mbit/s

VDSL2 via two-wire bundle

Art.Nr.: 165293
ALL-MC115VDSL2+ALL-MC115P

- Unmanaged
- Integrated 2-Port PoE Switch 30W per Port
- Without integrated Splitter
- Max. 1km cable length
- Max. 100Mbit/s

VDSL2 via two-wire bundle

Art.Nr.: 66303
ALL126Ax3 Bundle

- Managed
- Integrated 2-Port Switch
- Integrated analogue Splitter
- Max. 2,5km cable length
- Max. 100Mbit/s

VDSL2 via two-wire SFP bundle

Art.Nr.: 141113
ALL4780-2Wire-SFP-Set

- Gigabit SFP Slots
- Max. 1km cable length
- Max. 100Mbit/s

48~56VDC

PoE Camera

Internet

PoE via two-wire Bundle

Art.Nr.: 195451
ALL-MC302P2WIRE-Set

- Unmanaged
- 1x PoE IEEE802.3af Output
- Max. 500m cable length
- Max. 500Mbit/s

PoE via two-wire Bundle

Art.Nr.: 195452
ALL-MC302P3WIRE-Set

- Unmanaged
- 1x PoE IEEE802.3af/at Output
- Max. 500m cable length
- Max. 200Mbit/s
- Integrated 12V Output

You can find more information about our point-to-point solutions on our website

Digital Signage

- Do you need tablets for permanent installation?

- A tablet is to be used as an interface, e.g. for home automation?

- Advertising should be controlled centrally ?

- Low cost PoE tablets with long term availability

- Uniform dimensions of mounting frames, covers and housings
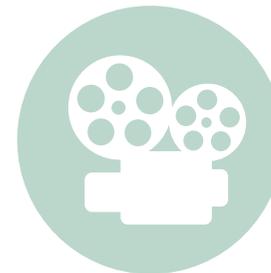
- Possibility for flush and surface mounting

Hotel   **Retirement home**   **Swimming pool**   **Cinema**   **Theatere**

RK3399 pro series

17" Art.Nr.: 174685
ALL-Pro-17RK3399A10PoE

21" Art.Nr.: 193696
ALL-Pro-21RK3399A10PoE

- 17" / 21"
- Android 10
- 4GB/16GB
- No installation possible

PX30 series

Art.Nr.: 180616
ALL-Tablet-10PX30A81PoE

- 10"
- Android 8.1
- Proximity sensor

Accessories
PX30 series

Art.Nr.: 147917
Art.Nr.: 151695
Art.Nr.: 178136
Art.Nr.: 151694
Art.Nr.: 178137

- 10" Flush-mounted frame black

- 10" Installation kit black
  (built-in frame + cover)

- 10" Installation kit black slim
  (built-in frame + cover)

- 10" Installation kit silver
  (built-in frame + cover)

- 10" Installation kit silver slim
  (built-in frame + cover)

RK3288 standard series

14″ Art.Nr.: 181018
ALL-TAB14RK3288A80PoEv2

15″ Art.Nr.: 193134
ALL-Tab15RK3288A80-V2

21″ Art.Nr.: 180623
ALL-Tablet-21RK3288A81PoE

- 14"/ 15" / 21"
- Android 10 for 15" / 21" & Android 8.1 for 14"
- 4GB/16GB for 15" / 21" & 2GB/16GB for 14"

Accessories
RK3288 standard series

Art.Nr.: 147352
Art.Nr.: 155444
Art.Nr.: 151668

- 14" / 15" / 21" flush-mounted frame

Art.Nr.: 151693
Art.Nr.: 155193
Art.Nr.: 151730

- 14" / 15" / 21" installation kit black
  (built-in frame+ cover)

Art.Nr.: 178138
Art.Nr.: 178140
Art.Nr.: 178142

- 14" / 15" / 21" installation kit black slim
  (built-in frame+ cover)

Art.Nr.: 151692
Art.Nr.: 155194
Art.Nr.: 151701

- 14" / 15" / 21" installation kit silver
  (built-in frame+ cover)

Art.Nr.: 178139
Art.Nr.: 178141
Art.Nr.: 178143

- 14" / 15" / 21" installation kit silver slim
  (built-in frame+ cover)

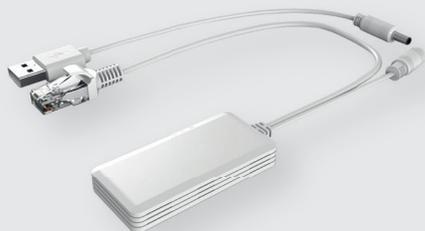## RK3128 series

Art.Nr.: 158934
ALL-Tablet-7RK3128A60PoE

- 7"
- Android 6.0
- 1GB/8GB

RK3288 series

Art.Nr.: 189209
ALL-Tablet-8RK3288A80PoE

- 8"
- Android 10
- 2GB/16GB

WIFI Client

Art.Nr.: 168029
ALL-WCL1200AC

**You can find more information about the standard tablets on our website**

Digital signage in the meeting room

- Do you want to digitize your meeting rooms?

- Do you need an interface for time recording?

- Are you looking for interfaces to develop your own apps?

- Displays with NFC e.g. for time recording

- Central booking management of meeting rooms

- Special functions such as Busylight

MEETING ROOM
1

10³⁰ 11³⁰

RGB LED

NFC
RFID
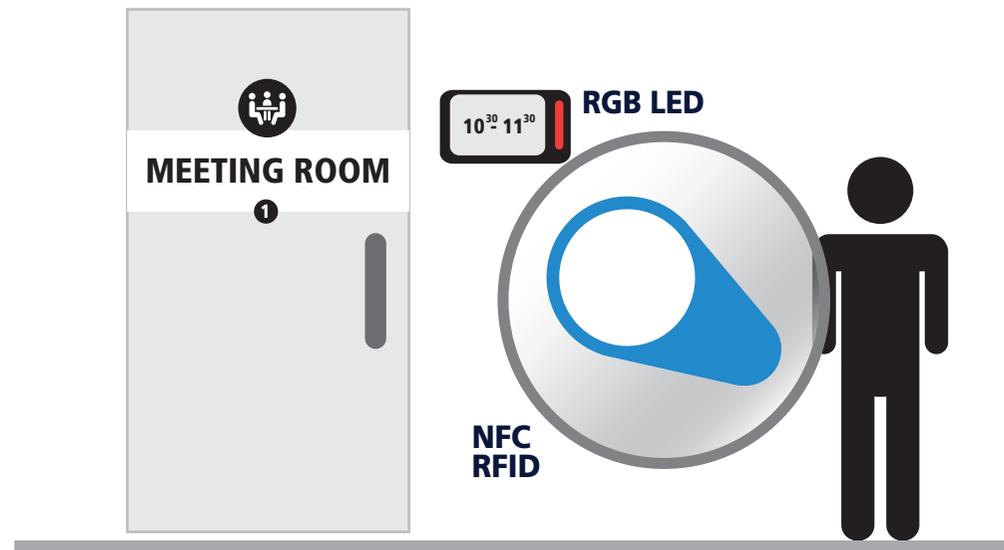
RK3288 meeting room series

10″ Art.Nr.: 174715
DT-10RK3288A80PoE-NFC
13″ Art.Nr.: 174716
DT-13RK3288A80PoE-NFC
15″ Art.Nr.: 174717
DT-15RK3288A80PoE-NFC

- 10" / 13" / 15"
- Android 8.1
- NFC
- LED Indicator
- 2GB/16GB

RK3288 desktop series

Art.Nr.: 174888
TD-10RK3288A80PoE

- 10"
- Android 8.1
- NFC
- Bluetooth & WLAN
- 2GB/16GB

RK3288 busylight series

Art.Nr.: 182897
MT-10RK3288A10PoE-NFC

- 10"
- Android 10
- RGB LED indicator busylight
- NFC
- Bluetooth & WLAN
- 2GB/16GB

You can find more info about the meeting room tablets on our website

Digital signage in the medical sector

- Do you need tablets for the medical sector?
- Is hygienic cleaning and safety particularly important?

- Housings are resistant to aggressive cleaning agents
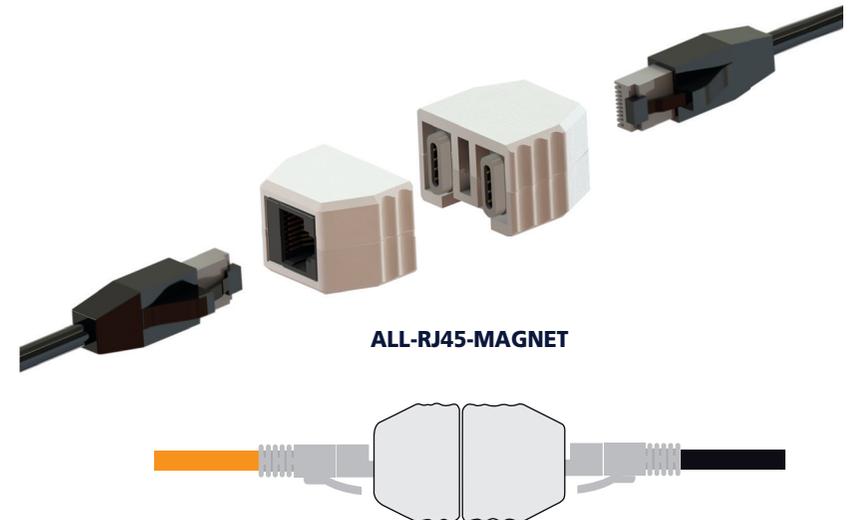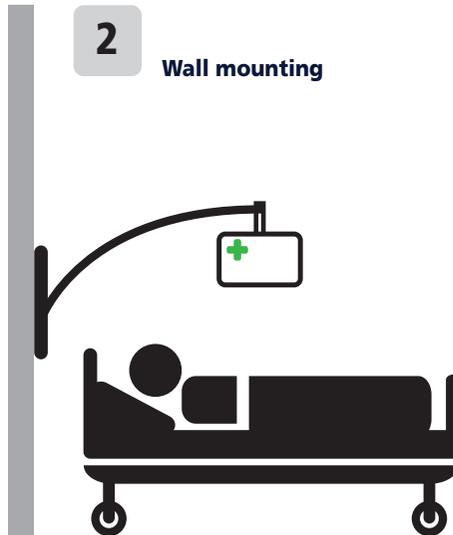- Safe and inconspicuous wiring
- Various mounting options

1 **Mobile mounting**

2 **Wall mounting**

ALL-RJ45-MAGNET

10" medical series

10" Art.Nr.: 180366
ALL-MedTab-10RK3288A80PoE

- 10"
- Android 8
- RK3288
- 2GB/16GB
- No integrated camera

13" medical series

13" Art.Nr.: 174684
ALL-MedTab-1332T 13"

- 13"
- Android 8
- RK3288
- 2GB/32GB
- Optional telephone function

RJ45 quick coupling

Art.Nr.: 193972
ALL-RJ45-Magnet

- Magnetische Verbindung
- Fast disconnection and connection
  of RJ45 connections

Isolators

ALL-LAN-ISO-4kV
Art.Nr.: 168085

- 4kV Gigabit LAN isolator

ADQ-USB 3.0-ISO-PS
Art.Nr.: 143382

- 1kV USB 3.0 isolator

You can find more info about the Medical Tablets on our website

Digital Signage with totems

Are you looking for stylish displays with disinfection capability?

Do you need large displays for advertising and information?

Would you like to combine print media with digital representations?

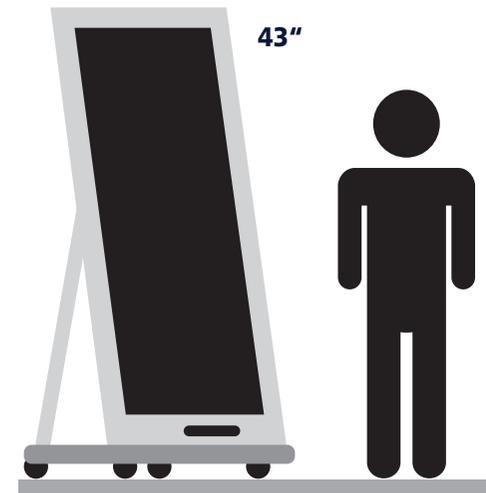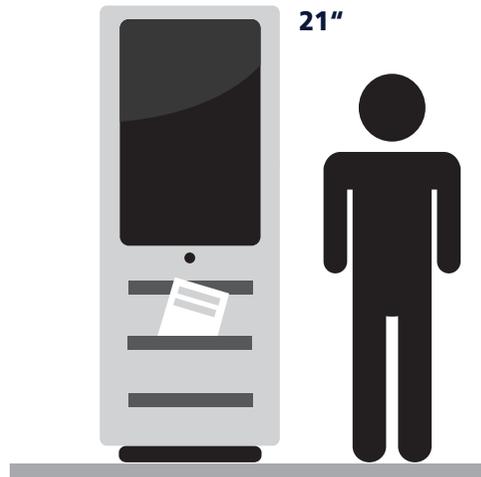Displays with disinfectant dispenser

Displays with and without touch

Displays with brochure holders

Info and disinfection display
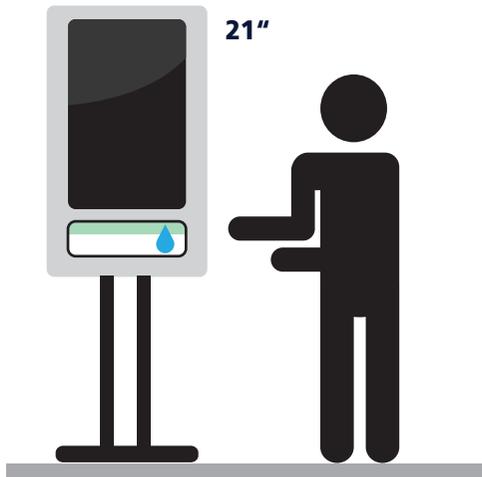
Info and brochure display

21"

21"

43"

Totem disinfection series

Art.Nr.: 185754
ALL-WD21SAN/A70

- 21"
- Integrated disinfectant dispenser
- Android 7 & RK3288
- Color white
- Wall mounting
- 2GB/16GB

Art.Nr.: 186428
ALL-WD21SAN/A70-STAND

- Optional base stand

Totem series

Art.Nr.: 177081
ALL-SD210TFH/RK3399A81

- 21"
- 10-Point-Multitouch
- Integrated brochure holder
- PoE & Android 7.1
- Color black
- 2GB/16GB

Art.Nr.: 177065
ALL-AD430/OPS-RK3399wh

- 43"
- Display stand with rollers
- Without touch
- RK3399
- Android 7.1
- Color white
- 2G/8G

You can find more information about the totem displays on our website
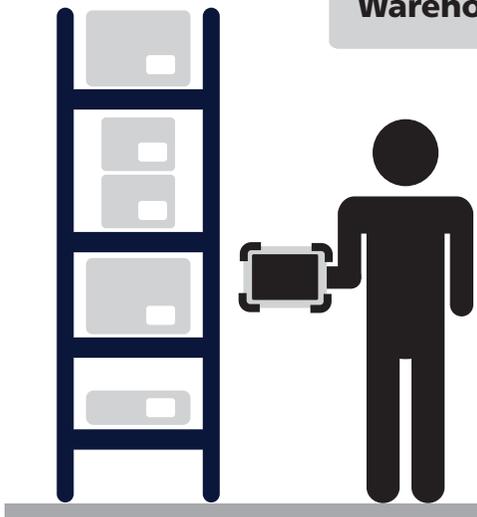
Outdoor tablets for harsh environments

- You need tablets for outdoors?
- Looking for an affordable mobile cash register?
- The tablets are to be used both mobile and stationary?

- Outdoor tablets with IP54 protection class
- Docking station for charging and LAN / PoE connection
- Shockproof up to 1m

Rugged Industrial Tablet

Warehouse / logistics

Coffee

Mobile use

Stationary use

RK3368 outdoor series

ALL-RT-RK3368A90-CW
Art.Nr.: 182260

- 10"
- Android 10
- Shockproof up to 1m height
- Additional protection due to plastic corners
- IP54 protection class
- 2GB/16GB

RK3399 outdoor series

ALL-RT-RK3399A70-CW
Art.Nr.: 182259

- 10"
- Android 7.1
- Shockproof up to 1m height
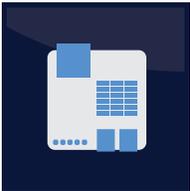- Additional protection due to plastic corners
- IP54 protection class
- 2GB/16GB

Docking station

ALL-RT-Dock_PoE-CW
Art.Nr.: 182263

- Docking station for outdoor tablets
- LAN / PoE & 2x USB ports included
- Automatic switching from WLAN to LAN
- Can be used as a mobile cash register with
  USB printer and keyboard

You can find more info about the Outdoor Tablets on our website

Single Board Computers

- Are you looking for small PCs, receivers or video players?

- Do you need a single board computer for controlling, programming or as a Mini Server or Media Player?

- Mini PCs with highest performance
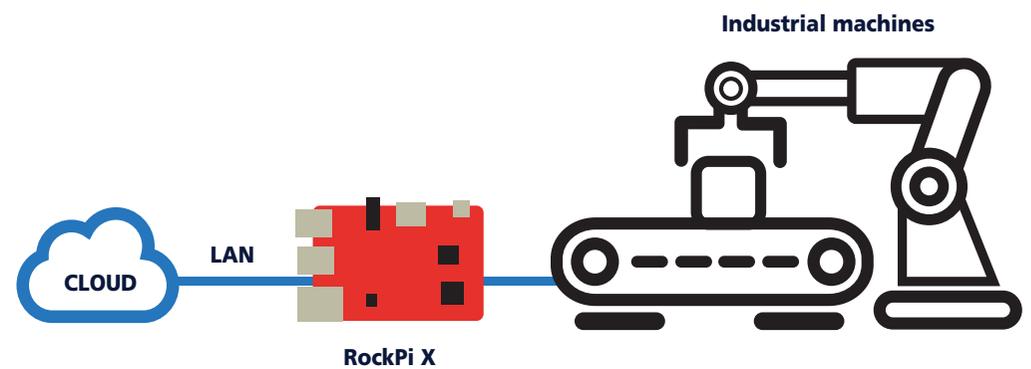
- Best storage options thanks to flex EMMC up to 128GB & up to 2TB via M.2 NVME

- SBCs as client PC, Ubuntu workstation or tinkering PC for home automation

Flexible EMMC up to 128GB

Windows x86 LINUX 86

Signage Player

CLOUD — LAN — **SBC Board   RockPi 4** — **TV**
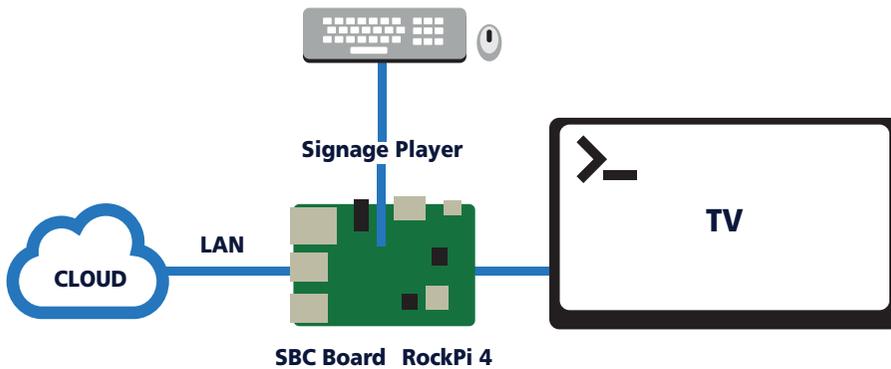
Programming, Mini Server, Media Player

Industrial machines

CLOUD — LAN — **RockPi X**

19

Rock Pi 4 series

A1 Art.Nr.: 177010
A2 Art.Nr.: 177009
A4 Art.Nr.: 177010
B1 Art.Nr.: 180211
B2 Art.Nr.: 180209
B4 Art.Nr.: 180059
C4 Art.Nr.: 179843

- Version A without WiFi and without Bluetooth
- Version B with WiFi & Bluetooth & PoE ready
- Version C with WiFi & Bluetooth & Displayport & HDMI
- Dual Cortex-A72 Processor & Quadcore Cortex-A53 bis 1,8GHz
- 64bit Dual Channel LPDDR4 @ 3200Mbit/s RAM
- Available with 1GB / 2GB / 4 GB
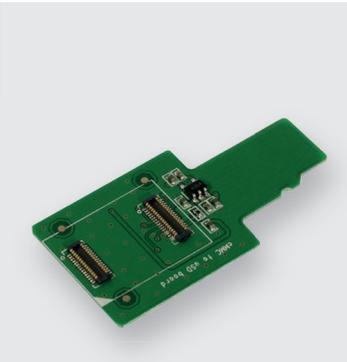
Rock Pi 4 microSD to EMMC

Art.Nr.: 158780
RockPi_eMMC_to_uSD_board

- EMMC is a safer alternative to SD cards
- To flash the firmware to the EMMC memory
- RaspberryPi Noobs compatible

RockPi X 64 series

16GB Art.Nr.: 190538

32GB Art.Nr.: 191253

64GB Art.Nr.: 191254

128GB Art.Nr.: 191255

- 64bit Quad Core X86 Processor
- Intel Atrom x5-Z8300 Cherry Trail
- Windows 10 & Linux compatible
- Intel Gen8 HD graphics @500MHz
- Available with 16GB / 32GB / 64GB / 128GB Memory

You can find more information about the SBCs on our website

Network & power over one patch cable

No power supply is available at the installation site?

You want to operate your switch with only one patch cable?

One cable for everything should arrive at the individual workstation?

PD (Powered Device) switches can be supplied with PoE via a patch cable

No additional power cable is needed

A PoE switch or injector can be up to 100m away from the PD switch

Our PoE switches are available as unmanaged, managed and industrial variants.

Power
PoE
LAN

Injector   DC IN

LAN   PoE

PD

LAN 100m

PoE 100m

PoE 100m

PoE 100m

PoE 100m
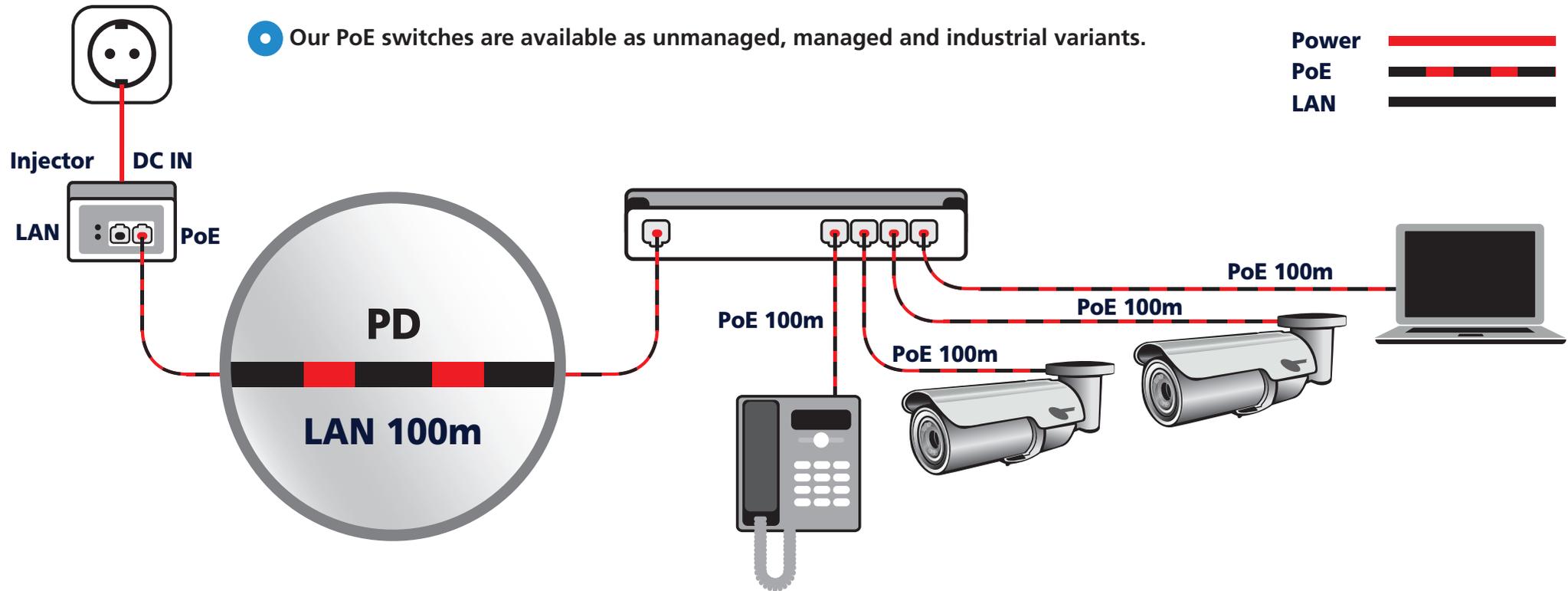
4-Port Gigabit PD Switch unmanaged

Art.Nr.: 113046
ALL048605PD

- PoE Budget 360W
- 4x LT PoE 90W Ports
- Fanless

3x current input variants:
　1.) 90W PoE PD
　2.) 12-48V DC max. 120W
　3.) 56V DC max 500W (optional)

5 Port Gigabit PD Switch smart managed

Art.Nr.: 136766
ALL-SG8205PDM

- PoE Budget 55W
- 4x PoE Ports
- Fanless

2x current input variants:
　1.) PoE 30W PD
　2.) Optional power supply

4-Port Gigabit PD Industrial Switch unmanaged

Art.Nr.: 166606
ALL-SGI8205PD

- PoE Budget 120W
- 4x PoE+ Ports
- Top-hat rail mounting
- Extended temperature
  range

2x current input variants:
　1.) PoE PD 30W
　2.) 48VDC max. 120W (optional)

5/8-Port Gigabit PD Switch unmanaged

5-Port Art.Nr.: 112532
ALL-SG8205PD

8-Port Art.Nr.: 118887
ALL-SG8208PD

- PoE Budget 36/60W
- 2/4x PoE Ports
- 2/3x LAN Ports

2x current input variants:
　1.) PoE PD 30W
　2.) 48V DC power supply (included)

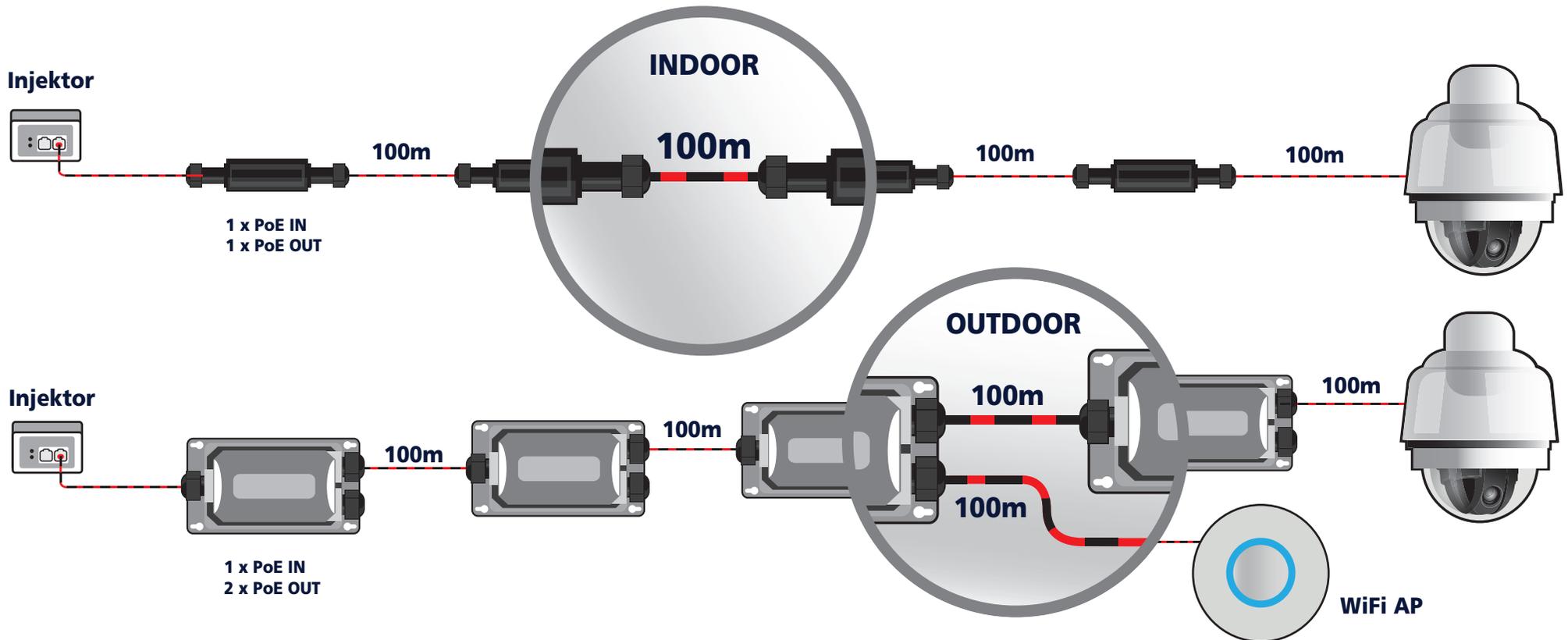**You can find more information about PD Switches on our website**

Extend network and power up to 500m

- There is no power supply at the installation site?

- Do you want to install e.g. IP cameras & access points in a far distance?

- PD repeaters extend PoE (network and power over one patch cable) by 100m each

- No further power supply is required at the installation site

- The more power available at the input, the more remains after x meters

Injektor

INDOOR

100m

100m   100m   100m

1 x PoE IN
1 x PoE OUT

Injektor

OUTDOOR

100m

100m

100m   100m   100m   100m

1 x PoE IN
2 x PoE OUT

WiFi AP

90W PD Repeater

Art.Nr.: 131701
ALL048600v2

- 1x Gigabit LT PoE 90W Input
- 1x Gigabit LT PoE 90W Output
- Integrated SMART-PoE function

90W PD Repeater

Art.Nr.: 102328
ALL048600

- 1x Gigabit LT PoE 90W Input
- 1x Gigabit LT PoE 90W Output

Outdoor PD Repeater

Art.Nr.: 189128
ALL-PR2013O-30W

- 1x Gigabit BT PoE 90W Input
- 2x Gigabit 30W PoE Output
- IP67protection class

Outdoor PD Repeater

Art.Nr.: 144991
ALL-PR2012P-E

- 1x Gigabit PoE 30W Input
- 1x Gigabit PoE 30W Output
- IP67 protection class

**You can find more information about PD Repeaters on our website**

A separate network in the company

- Do you want to make the company network available to your employees, without causing disruptions or incorrect configurations?

- You want to test new products in your company network, without taking a risk?

- The PD Router can be connected to a switch via the WAN PoE port

- If problems occur, the admin can disconnect the entire router with one click via the management interface of the preconnected PoE switch

Disorganized network

WAN

PoE

LAN LAN LAN LAN

PoE PoE PoE PoE

WAN Router
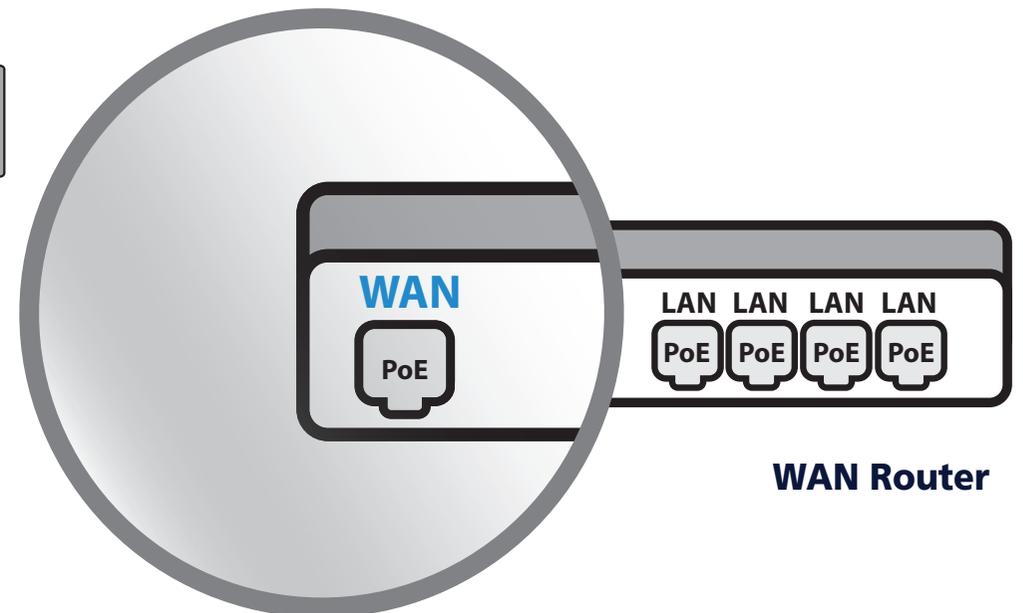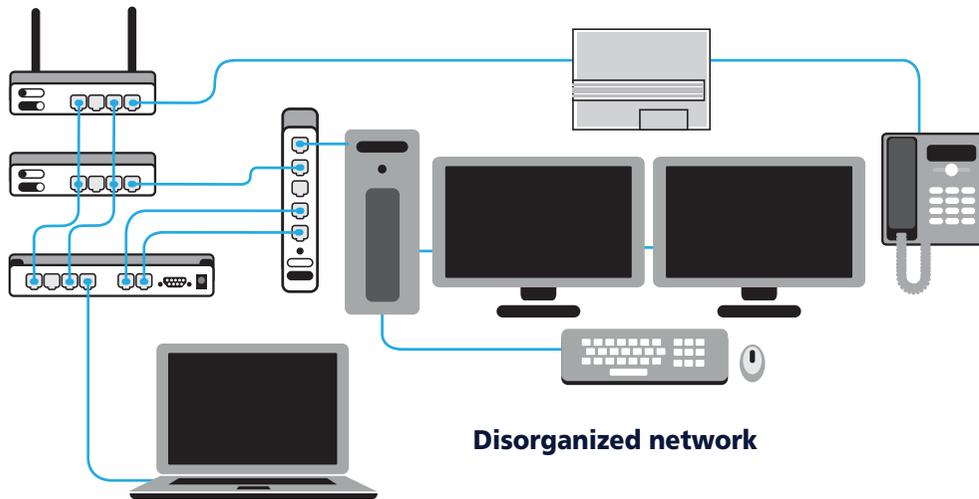
PD Router

Art.Nr.: 146883
ALL-PR4014PD

- 1x Gigabit PoE at WAN Port Input
- 4x Gigabit PoE PoE af Output
- Integrated web interface for configuration of the router

ALL-PR4014P

Main
- Operation Mode
- Internet Settings
  - WAN
  - LAN
  - DHCP Clients
  - Routing
  - QoS
  - IPv6
- Firewall
  - MAC/IP/Port Filtering
  - System Security
  - Content Filtering
  - Port Forwarding
  - Port Trigger
  - DMZ
- Administration
  - Management
  - Upload Firmware
  - Settings Management
  - Status
  - Statistics
  - PoE
  - Logout

○ **Bridge:**
All ethernet and wireless interfaces are bridged into a single bridge interface.

⦿ **Gateway:**
The first ethernet port is treated as WAN port. The other ethernet ports and the wireless interface are bridged together and are treated as LAN ports.

NAT Enabled:	Enable ▾
TCP Timeout:	180
UDP Timeout:	180
HW NAT Enabled:	Disable ▾

Apply   Reset

The dream of every admin!

Employees are given a special DHCP test environment within the network. With a PoE switch connected in front of it, the entire test network can be deactivated in the event of faults or network problems.

**You can find more information about PD Routers on our website**

Create network and power with one patch cable

Do you need PoE for the installation of e.g. IP cameras and access points?

There is no power supply at the installation site?

Injectors generate PoE from network and power

Only one cable is needed for the installation

The distance between the injector and the end device can be 100m

AC220V

Injector

LAN PoE

Switch

Power

PoE

LAN
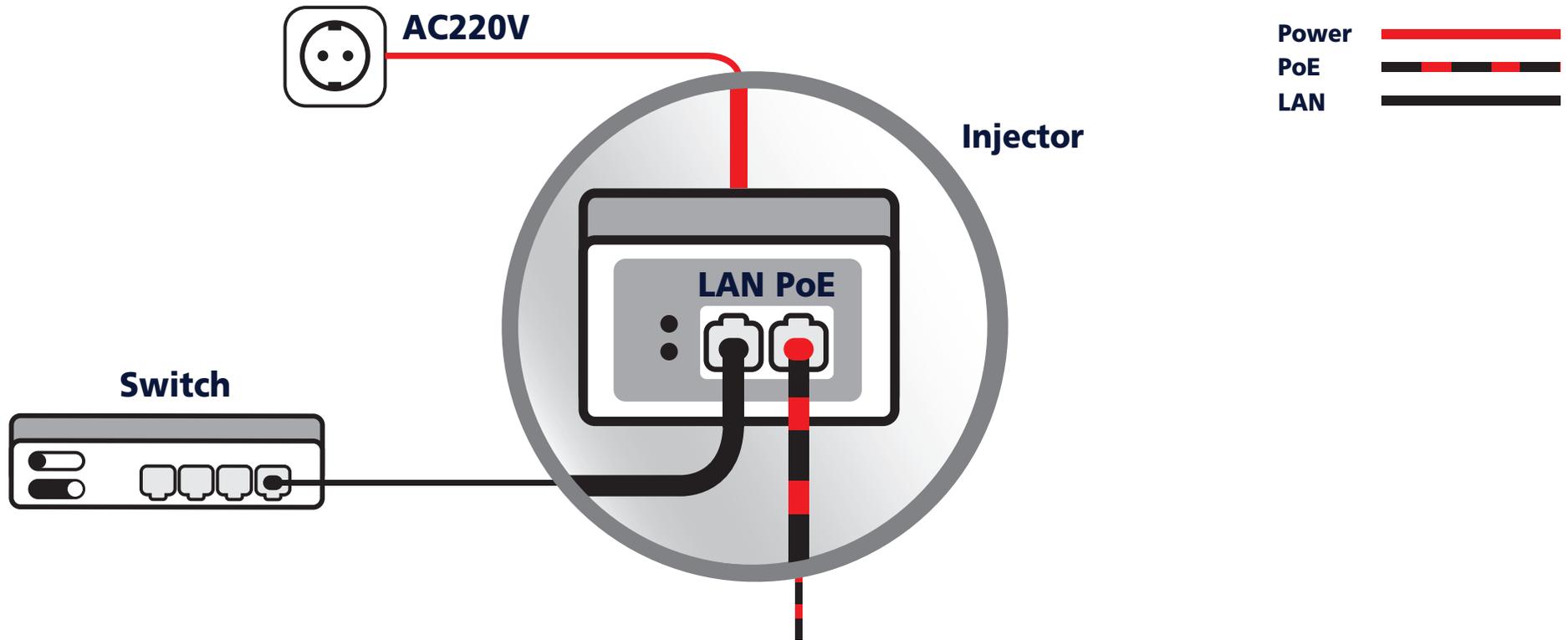
90W Injector

Art.Nr.: 112270
ALL048900v2 rev.B

- 1x Gigabit LT PoE 90W Output
- Metal housing
- SMART-PoE function
- Wall mounting capable
- Supplies all LT PoE capable end devices according to
  LT PoE 90W and IEEE802.3at/af standard

95W Injector

Art.Nr.: 188381
ALL0495BT

- 1x Gigabit PoE bt 95W Output
- Plastic housing
- 4KV Surge protection
- Supplies all PoE capable end devices according to
  IEEE802.3bt/at/af standard

30W Injector

Art.Nr.: 175246
ALL0489v4

- 1x 2,5 Gigabit PoE at 30W Output
- Metal housing
- Supplies all PoE capable end devices according to
  IEEE802.3 at/af standard

30W Injector

Art.Nr.: 186548
ALL0488v6

- 1x Gigabit PoE at 30W Output
- Plastic housing
- Wall mounting capable
- Supplies all PoE capable end devices according to
  IEEE802.3 at/af standard

**You can find more information about PoE injectors on our website**

Measurement, control & regulation via IP

- Are you looking for a cost-effective building automation system that speaks IP?

- You want to collect measured values from devices easily and quickly?

- You want to be able to control your devices from anywhere?

- Automation control centers and associated sensors & actuators for building monitoring and management

- Manage sensor values and actuator settings via web interface

- Optional modules for Cloud / FTP / JSON API / Amazon Alexa and more

Automation

Sensors

IP
Ethernet

Central unit

Powermeter

Actuators
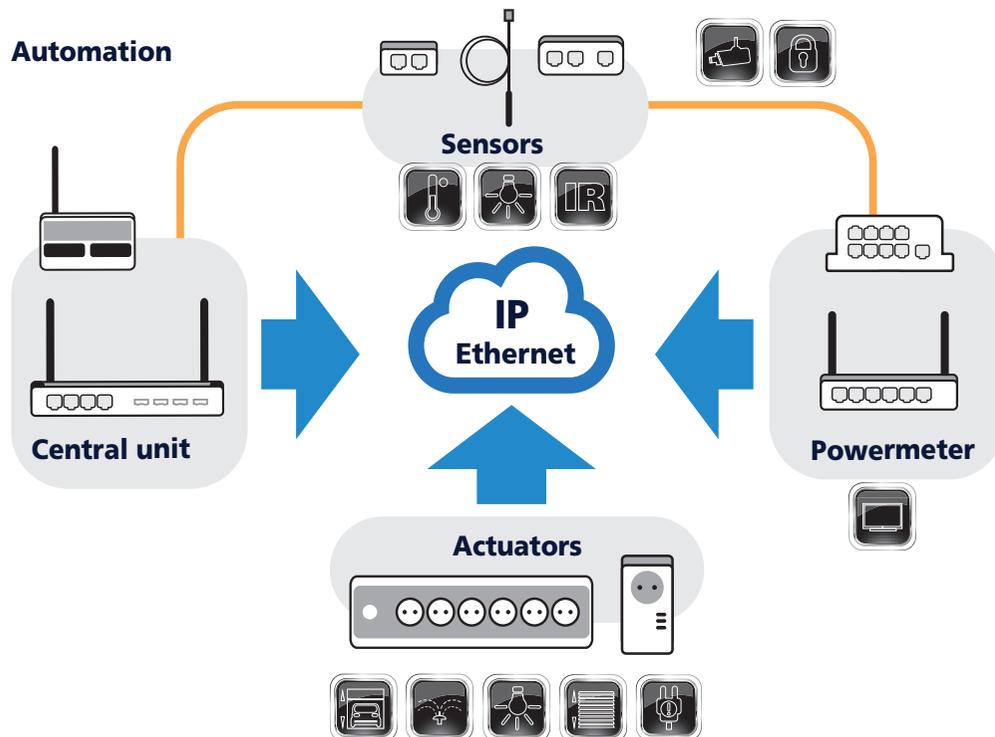
Automation central units

And many more

ALL3419
Art.Nr.: 134571

- 3x I2C Sensor Ports,
- 1x LAN, 1x WLAN

ALL3500
Art.Nr.: 98686

- 4x I2C Sensor Ports
- 4x Contact input & 4x 16A Relays
- 1x LAN, 1x WLAN

Automation sensors

And many more

ALL3020
Art.Nr.: 157798

- Temperature & humidity sensor

ALL4471
Art.Nr.: 166559

- CO2 sensor, 0~10000ppm
- 2x I2C Ports for a 2nd sensor / actuator

Automation actuators

And many more

ALL3073v2
Art.Nr.: 174036

- 16A switch socket

ALL4176
Art.Nr.: 131841

- Six-way 10A switching socket
- Integrated current measuring module for the
  whole power strip

Automation signal lamps

ALL-PoE-RBGW-Lamp
Art.Nr.: 192187

- PoE signal light, API controllable,
- Colors red/green/blue/white LEDs

ALL-PoE-CO2-LAMP
Art.Nr.: 192872

- PoE signal light, API controllable,
- Colors red/green/blue/white LEDs, integrated
  CO2 sensor, incl. 48VDC power supply unit

You can find more information about building automation on our website

Contact

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