



Single Pair Ethernet

Two wires – unlimited opportunities

The new standard of smart network communication

Since the 1980s, Ethernet has been the leading communication and network protocol in LAN applications and it is constantly advancing into new areas of application.

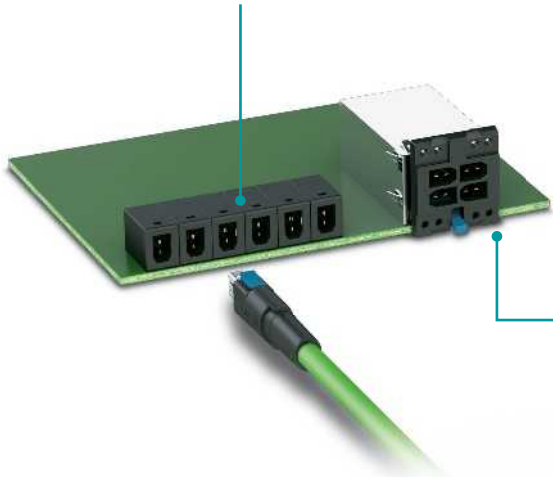
Ethernet enables the seamless transmission of information via TCP/IP and is viewed as the application-neutral communication protocol for local IoT networks. Its unique compatibility between new and old generations is the basis for the future Single Pair Ethernet.

The evolution of 4- and 8-wire cabling systems into simple and secure single-pair cabling has begun. Join us on the path towards the future. Opt for the standardized connector system made by Phoenix Contact.

Your advantages

- ✓ Continuous: Single Pair Ethernet enables a uniform, Ethernet-based communication from the sensor to the cloud
- ✓ Future-proof: key technology for Industrie 4.0 and IIoT
- ✓ Integrative: reduced cabling effort, thanks to the use of existing cabling infrastructures
- ✓ Flexible: ranges of up to 1,000 m and transmission properties of up to 1 Gbps enable the use across applications
- ✓ Innovative: reduced weight, space requirements, and installation effort

Wide range of applications:
The pin connector pattern can be integrated
into all conventional and standardized connector
variants



Connect up to four times more
devices with existing passive
infrastructure



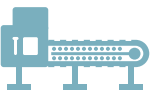
Single Pair Ethernet connectors
from Phoenix Contact meet the
requirements of IEC 63171-2 for the
IP20 environment and IEC 63171-5
for the IP67 environment.

Phoenix Contact is your key partner for the integration of
Single Pair Ethernet, from the device interface and cabling
to an active network component, from sensors in the field
to the PC in your office. Being a pioneer in the field of
digitalization, Phoenix Contact is developing
a comprehensive product portfolio.

IoT



Web code:
#2240



In dialog with customers and partners worldwide

Phoenix Contact is a globally present, Germany-based market leader. Our group is synonym for future-oriented components, systems, and solutions in the fields of electrical engineering, electronics, and automation. A global network across more than 100 countries, and 17,400 employees ensure a close proximity to our customers, which we believe is particularly important.

The wide variety of our innovative products makes it easy for our customers to find future-oriented solutions for different applications and industries. We especially focus on the fields of energy, infrastructure, process and factory automation.



You will find our complete product range at:
phoenixcontact.com

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