

PI Technologies

PROFINET

PROFINET has become the leading Industrial Ethernet Standard in the factory automation and process control-markets.

PROFINET satisfies a wide range of requirements, from data-intensive parameter assignment to synchronous I/O signal transmission. Communication takes place over the same cable in all applications, ranging from simple control tasks to highly demanding motion control applications. Parallel to the real-time communication of PROFINET, TCP/IP-based communication is also possible at the same time.



PROFIBUS

PROFIBUS is the world's most successful fieldbus with an installed base of nearly hundred million devices in factory automation and process industry applications.

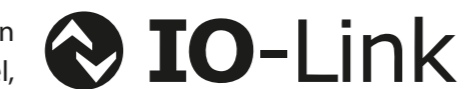
Utilizing a single, consistent, application-independent communication protocol, PROFIBUS supports fieldbus solutions both in factory and process automation as well as in motion control and safety-related tasks.



IO-Link

IO-Link is an open, world-wide standardized, communication technology that links sensors and actuators (devices) up to the IO-level, independent from the fieldbus system above.

It provides advantages to the user such as diagnostic possibilities, assigning parameters to the devices and cabling benefits. Its great success has led to continuous enhancements. For example, IO-Link Safety allows for safety applications and IO-Link Wireless is currently in preparation.



Be Part of PI's Global Network! Influence the Future of Standards and Technologies!

Benefits of Membership

Manufacturers

- › Free use of trademark and technology logos and promotion materials
- › Faster and easier product development with free access to technical documentation and rights of use for patents
- › Participation in / influence on continuous technology development
- › Qualified certification support by accredited PITLs and cost-effective certificates for tested products
- › Free of charge access to certification test systems
- › Support for product promotion through common and global marketing projects
- › Assignment of device and Vendor-IDs as well as allocation of 4K MAC address ranges for locally manufactured products
- › The right to take part in marketing activities and exhibitions
- › Promotion of company-specific workshops, trainings and other events

Users

- › Participation in / influence on continuous technology development
- › Network implementation and maintenance supported by experts
- › Educational opportunities including trainings and a global network of PICCs and PITCs
- › Discount on training and publications
- › Possibility to use PROFINEWS for latest news, products and events
- › Free admission to member-only seminars and meetings
- › Regular updates on technology and events
- › Regular notification about seminars and exhibitions
- › Assistance in locating providers of PROFIBUS, PROFINET or IO-Link related products and services

Global • Future-Proof • Networking



PROFIBUS & PROFINET International

More information about PI:
www.profibus.com



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Shaping the Future with PROFIBUS & PROFINET International (PI)



Think Globally, Act Locally



Technical Support and Training



Certified Products Ready for Installation

Regional PI Associations

- › Regional PI Associations (RPAs) provide a local point of contact and act as a liaison with the global PI organization.
- › With PI's technologies standardized worldwide, RPAs provide local support to manufacturers for fast and efficient service.
- › Each RPA is a non-profit and independent entity. This ensures access for all interested parties since PI's global technologies are open and neutral.
- › Every independent RPA maintains a Quality of Service (QoS) Agreement to ensure that it provides the best possible support at the local level.

Competence & Training Centers

- › PI Competence Centers (PICCs) are centers of technical expertise and work closely with the RPAs.
- › Offering technical support and supporting first-time developers of PROFIBUS, PROFINET and IO-Link devices and systems is the everyday work of a PICC.
- › PI Training Centers (PITCs) support developers and users in learning about and using PROFIBUS, PROFINET and IO-Link.
- › PITCs deliver standardized educational sessions aimed at raising the knowledge level of engineers and technicians in several important areas of PROFIBUS and PROFINET. Successful trainees are awarded certified engineer or installer status.
- › PICCs and PITCs are subject to a QoS Agreement administered by PI to ensure the technical excellence of the service they deliver.

Test Laboratories

- › Users expect a high level of interoperability based on qualified products from their suppliers. To manage this, PI has established qualified test and certification procedures for product interfaces for its technologies.
- › Accredited PI Test Laboratories (PITLs) offer certification test services. Based on globally standardized conformance and interoperability test procedures, PITLs issue qualified test reports.
- › Based on the qualified test reports, the PI Certification Office (PICO) issues certificates and supports suppliers with entering the certified products in the product catalogue on the PI Website.
- › Suppliers and users benefit from the higher quality of certified product interfaces. Products with certified interfaces increase confidence in the suppliers and reduce downtimes of users' production sites.