



## Come and see the magic of the **Axioline remote I/O system.**

Designed for decentralized automation applications so you can monitor, control, and integrate industrial processes reliably.

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# Your reliable solutions provider for Data and Signal Transmission.

Find the right Axioline modular I/O system according to the needs of your application within the control cabinet, systems and machines.

## The magic of Phoenix Contact's Axioline remote I/O system

Controls and Safe I/Os can be used with

- various bus systems and networks, and
- agnostic PLC integrations.

## Your Advantages

- ✓ Fast and synchronous signal acquisition to increase machine output and productivity.
- ✓ Wide range of remote I/O systems for control cabinet and field installation.
- ✓ Robust design and mechanical construction to ensure reliability under harsh industrial conditions.



Feature	Axioline F	Axioline E	Axioline SE
Communication	Ethernet-based (PROFINET, EtherNet/IP, TCP/IP)		
Protection Rating	IP20	IP65/IP67	IP20
Safe I/O Technology	ProfiSafe, Safety Bridge		
Connection Technology	Push-in	M12 Push Pull	Push-in
Applications	Versatile applications across all industries	Industrial applications in harsh environments	Versatile applications across all industries
Recommended for	Process and machine applications	Machine applications	Machine applications

# Just when you thought, the best is here.

Introducing the **NEW**  
Industrial Ethernet Switches



Built for Harsh Conditions

## FL2000

FAST ETHERNET SWITCH

## FL2100

GIGABIT SWITCH

Combining the simplicity of an unmanaged switch  
and the advanced power of a managed switch

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## FL Switch 2000 & 2100

Management functions include:

- Port configuration, statistics and utilization
- Link Layer Discovery Protocol
- Address Conflict Detection
- Port-based DHCP server
- Command Line Interface



SD-Card



Mode



CLI+SNMP



Web-UI



Features	Copper Ports	Port Speed	Special Features	Designation FL SWITCH	Article No.
Supply voltage: 18 V DC ... 32 V DC, temperature range: 0°C... +60°C, IP20, front port outlet direction.					
	5 x Rj45	10/100Mbps	-	2005	2702323
	8 x Rj45		-	2008	2702324
			Flat design	2008F	1106707
	16 x Rj45	-	2016	2702903	
	5 x Rj45	10/100/1000 Mbps	-	2105	2702665
			-	2108	2702666
			-	2116	2702908

# THE **RIGHT** SOLUTION FOR YOUR APPLICATION.

FIND EVERYTHING YOU NEED FOR  
YOUR AUTOMATION INFRASTRUCTURE.



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# FIND THE RIGHT WIRELESS TECHNOLOGY

Get more than just quality products with the added services:

- ✓ Planning and Consultation
- ✓ Configuration & Setup
- ✓ Maintenance & Support



## NearFi Coupler

- Contactless - no wear, no maintenance.
- Latency-free with real-time communication up to 100Mbps.
- Compact housing with high power.
- Designed with IP65 housing and M12 connection technology.



Scan for more!



## Industrial Bluetooth

- Easy and secure installation.
- Reliable data transmission with integrated error correction.
- Connect up to 7 Bluetooth modules to the same Ethernet network at the same time.



Scan for more!



## Radioline Wireless System

With Trusted Wireless technology, Radioline is the ideal choice for reliable use in industrial environments.

- Supported frequency bands only 2.4 GHz.
- Range of up to 5 kilometers with adjustable data rate.
- Can be extended with up to 32 I/O modules.



Scan for more!



## Industrial 5G Router

- 5G Router (5G NR, SA/NSA), EU device, fallback to 4G (LTE Advanced Pro) and 3G (HSPA+).
- 4-port switch, firewall, NAT, IPsec and OpenVPN, 4x SMA-F antenna sockets, SMS and email transmission, 4 DI, 2 DO.
- Designed for small machines and large system networks.



Scan for more!



**The solution is clear.**

## **The Ideal Protection for People and Systems.**

All Phoenix Contact safety products are  
SIL-certified to meet all safety requirements.

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# From the safety switch to the controller, we make functional safety easy.

Networking all units in a digital factory demands a holistic approach to processes and also includes functional safety.

Find out how you can optimise your automation systems and achieve maximum system availability in the digital age.



## Emergency Stop Switches

Our control devices with emergency stop function are suitable for applications in accordance with EN ISO 13850 and EN 60204-1.



## Configurable Safety Modules

Implement solutions easily. The configurable PSRmodular safety system is a flexible safety solution for monitoring your machine or system.



## Safety Relays

Choose from a large selection of safety relays. Depending on space requirements, highly compact designs starting at just 6 mm are available.

## Your Advantages

- ✓ Compact for installation in the smallest of spaces.
- ✓ Easy wiring with Push-in connection technology.
- ✓ Innovative relay technology for comprehensive diagnostic options and maximum safety.

All safety relay modules from Phoenix Contact are

**TÜV-CERTIFIED**

in accordance with EN ISO 13849 up to PL e or IEC 61508 up to SIL 3.

Good things **come**  
to those who wait.

And better things to  
those who **choose us.**



Phoenix Contact is the top choice for  
**HMI Panels and Industrial PCs**  
Scalable | Robust | Reliable

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# Phoenix Contact is the choice solutions provider for Advance System Monitoring.

Benefit from maximum scalability and advance system control with our intelligent industrial PCs.

## Panel PCs

Flush-mounted and support arm versions with IP65 or IP69K protection.

## HMI's

Touch panels with integrated Visu+ runtime and web panels with open browser for HTML5 applications



## Touch Monitors

For direct use on the machine with numerous graphical interfaces.

## Box PCs

Compact with machine-oriented data processing for all automation tasks.

-  Future-proof and high-quality hardware and technology.
-  Fast commissioning with preconfigured HMI devices.

-  Tailor-made and scalable solutions with industrial PCs.
-  HTML5 web application through to SCADA monitoring.

For more information, visit <https://mitra-one.id> or contact [sales@mitra-pt.co.id](mailto:sales@mitra-pt.co.id)

# The Future is PLCnext Technology.

Openness in thinking and openness of systems.



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# Ready your application for IIoT and Industry 4.0

Explore a wide portfolio of industry leading technology and products for intelligent automation.

## Automation Technology for IIoT and Industry 4.0.

- Compatible with various protocols including Cloud Management.
- Integrate high-level languages, open-source code/apps, and network.



**Proficloud.io**

Designed by Phoenix Contact Smart Business

## Wide Portfolio of Secure and Safe Controllers

- Supports IEC 61311-3, high-level languages and MATLAB(R) Simulink(R) in real-time.
- Integrate open-source code and apps with PLCnext via Cloud Management.
- Safety and Cybersecurity certified.



## Remote I/O Systems with Advanced Protection

- Designed with IP20 and IP65/IP67 degrees of protection.
- Suitable for all common bus systems, networks, control cabinet and field installation.

