



- Security for Industry 4.0 Applications
- Secure and fast Remote-Connections
- Integrated 4-way Switch for Machine-LAN
- Transparent Integration: No changes in existing networks



THE P5x-SERIES ROUTERS CONNECT YOUR INFRASTRUCTURE – PEOPLE, MACHINES, ADMINISTRATIVE SYSTEMS. WITH SAFETY.

BENEFITS FOR MACHINE BUILDER / INTEGRATOR

As Machine Builder you can dramatically reduce your costs with Remote Maintenance of Machines over the Internet, since you no longer have to visit the customer on site.

The Industrial Routers of the P5x-Series are complete IP Routers that are equipped with routing functions from Company-LAN to the Machine-LAN but also allow communication with Firewall-Protection in the Company-LAN if this is required. They have an integrated Web-Interface for Setup. Because the Routers can be used both - stand-alone and in conjunction with Xamalink, Machine Builders and System Integrators can use the Internet to optimize technicians' efficiency in supporting Machines on Customer sites: faster Connection, higher Bandwidth, reliable Communication, etc.

BENEFITS FOR CUSTOMERS

Everybody talks about Industry 4.0 - the complex Question of security in Manufacturing Facilities and Systems is one of the first when to address concrete Applications such as intelligent Maintenance-Management, Resource-Efficiency or networked Production. After all, safety is considered a critical success factor for Industry 4.0. With a variety of firewall and logging options, the P5x Series Routers are designed to meet the Customer Requirements by providing a VPN connection from the corporate network to the machines, as well as ensuring the path from Process Information to Management Systems. And if necessary, completely transparently integrable into existing networks.

VPN

In combination with Xamalink, Open VPN 2.0 is used in HTTPS-Mode. The VPN security modes use SSL/TLS for session authentication. It supports X509 PKI (Public Key Infrastructure) for session authentication, the TLS Protocol for „Key Exchange“, the Cipher-Independent EVP Interface (DES, 3DES, AES, BF) for the encrypted Tunnel-Connection. Additionally, the Protocols L2TP, PPTP, SSTP and VPLS are available.

CONFIGURABLE

The Routers use RouterOS as their operating system. This allows a variety of Configuration- and Logging-Options. A scheduler and scripting are also available.

TECHNICAL SPECIFICATIONS

Processor

ARM 32bit, 4 Core @ 716 Mhz

Memory

1GB SDRAM, 512MB Flash

Interfaces

5 x RJ45 Ethernet 10/100/1000 Mbit/s
Auto-MDI/X, configurable

Installation

DIN rail mounting

Power supply

10-57V DC / PoE 802.3 af/at
Power consumption max. 16 W

Operating temperature

-30° C to + 70° C

Weight

< 500g

Dimensions

DxHxW (mm): 110 x 145 x 35

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