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Flexibility for your network

SCALANCE XM-400 Industrial Ethernet Switches

Answers for industry.

Well equipped: For future functions

Extremely high requirements apply for automation networks in the control level area – especially in terms of reliable communication and secure data transfer. In order to keep pace with future requirements, communication networks must be inherently easy to adapt and expand.



The Siemens SCALANCE XM-400 Industrial Ethernet Switch grows with its tasks, thanks to its great flexibility in all areas, with:

- Different expandable basic devices
- Pluggable transceiver with SC or BFOC connector technology
- Combo ports for the use of RJ45 or SFP
- Expansion via port extender
- SFP transceivers for distances up to 200 km with fiber-optic cables
- Fast access to mobile diagnosis thanks to NFC (Near Field Communication) and existing WLAN

Flexible configuration of your network: SCALANCE XM-400

No matter what specific network requirements you have, with SCALANCE XM-400 modules you have the optimum solution for configuring your network design at any time.

Your benefits at a glance:

- Configuration according to your needs: Select the suitable basic device
- Choice of networking: electrical or optical per combo ports and SFP transceiver
- Simple expansion: Port extender with additional ports, e.g. for SFP transceivers
- Fast access to mobile diagnosis thanks to NFC and existing WLAN
- Numerous diagnostics options: via SNMP, PROFINET IO, Web interface, LEDs and TIA Portal
- High network availability: swap media, redundancy, rapid reconfiguration, “hot swap” port extender
- Optional activation of Layer 3 switching functions through KEY-PLUG XM-400 Layer 3
- Space-saving SIMATIC design (S7-1500): standard rail mounting, voltage supply via matching SITOP devices
- Time efficiency: reduced costs and time expenditure for engineering and installation
- Standard-compliant: PROFINET and all other field buses based on IEEE 802.3
- Simple planning and configuration by using CAX data

The flexible basis: SCALANCE XM-400 basic devices

Basic device versions:

- **SCALANCE XM416-4C**
with total of 16 ports,
of which 4 combo ports
- **SCALANCE XM408-8C**
with total of 8 ports,
all combo ports
- **SCALANCE XM408-4C**
with total of 8 ports,
of which 4 combo ports



You want your network to remain as flexible as your future requirements. Modular, high-performance SCALANCE XM-400 basic devices give you this capability:

- Combo ports: RJ45 or SFP usable as alternative
- Fast mobile diagnosis with smartphone / tablet:
 - Reading out address of the mobile website by means of NFC
 - Mobile device starts browser with this address
 - Efficient diagnosis via an existing WLAN
- Console and management port for local configuration and firmware updates

Grow as you need: Port extenders

Port extender
PE408



Provides eight additional RJ45 ports

Port extender
PE400-8SFP



Provides eight additional SFP slots

Port extender
PE408PoE*



Provides eight additional RJ45 ports and Power-over-Ethernet (PoE) in compliance with IEEE 802.3 at Type 1 and Type 2

**In preparation*

The structure and performance of your network continue to grow. Thanks to the extender modules, you can implement the expansion really easily and conveniently without special tools – and even without interrupting operation. Expansion by up to a total of 24 ports is possible to create the exact configuration you need.

PLUG for Performance: Simple, pluggable, flexible



Make your SCALANCE XM-400 switches fit for the future – with additional PLUGs for further functions.



For hot swap: C-PLUG

Exchanging a device involves time and effort on the part of personnel. You can save this by using the slot for the C-PLUG swap medium.

Mount replacement device and plug in the C-Plug – without reconfiguration. You can even make the replacement without qualified personnel, giving you an extra efficiency bonus.



Made for Layer 3: KEY-PLUG XM-400

Make use of the complete Layer 3 functionality – simply insert KEY-PLUG in the basic device and configure the software functions, including over 4000 hardware routes and 127 software interfaces for routing. The KEY-PLUG also contains the functions of the C-PLUG.

Fast and secure on the data highway

Reliable communication forms the basis of modern networks. The SCALANCE XM-400 mobile site and the NFC function now put you in the fast lane.

Now you can access your data easily via WLAN. If you're directly near the device, the correct website opens straight on your smart-

phone or tablet. And you can carry out important functions immediately and highly conveniently via the mobile websites:

- Monitoring
- Diagnostics
- Configurations

Mobile diagnosis: Complete overview with smartphone or tablet



Find out more at:

www.siemens.com/x-400



Read in the QR
code with your
cell phone's
QR reader.



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Subject to change without prior
notice 09/13
Order no: E20001-A750-P820-B-7600
DISPO 06366
HL 13057991 WS 09135.0
Printed in Germany
© Siemens AG 2013

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Further information

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More about Industrial Ethernet Switches
at: siemens.com/switches

More about the SIMATIC NET selection
tool at: siemens.com/snst

More about the TIA selection tool at:
siemens.com/tia-selection-tool