

SIEMENS



Brochure

Edition
05/2014

SIMATIC NET

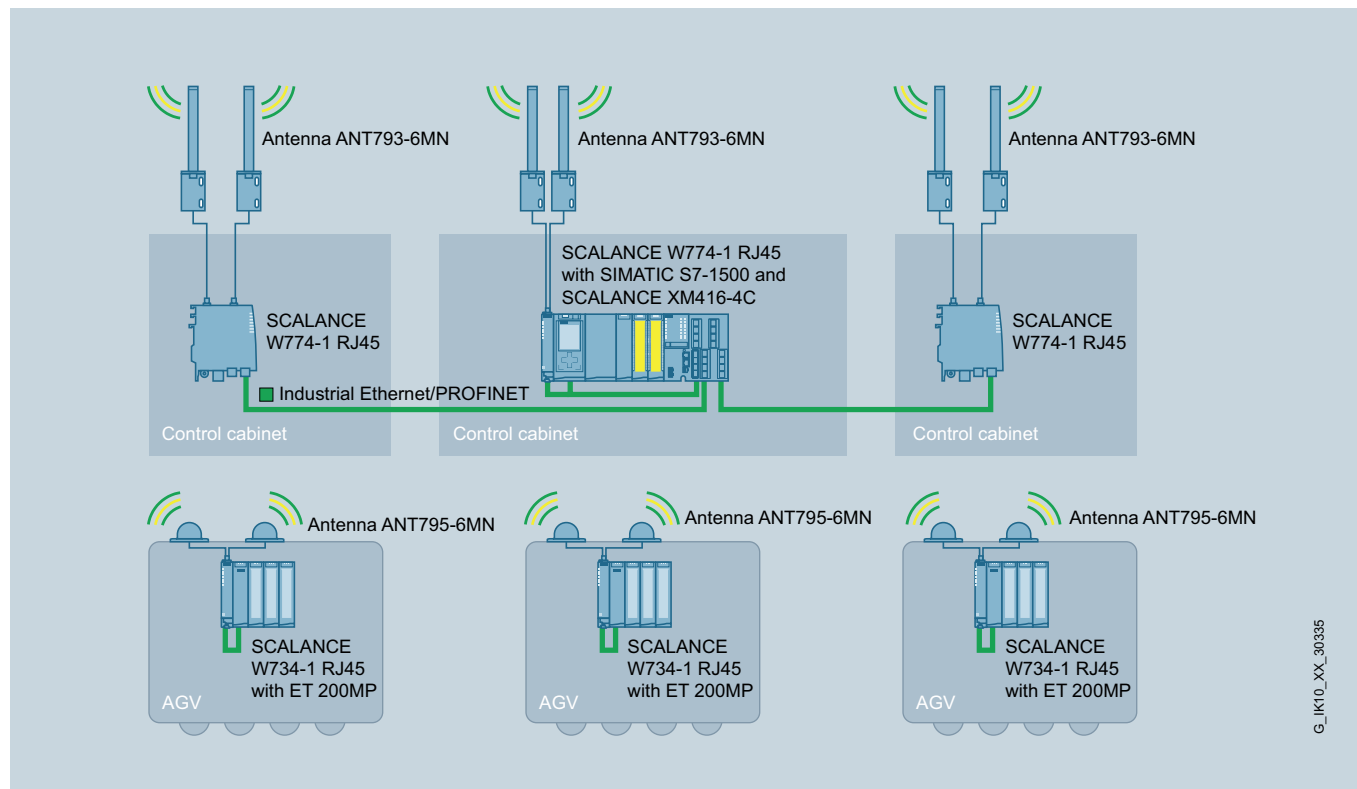
SCALANCE W770 and W730 – A perfect team with SIMATIC!

Transfer data wirelessly from the control cabinet – in perfect interaction with SIMATIC S7-1500. The SCALANCE W770 Access Points and W730 Client Modules in the SIMATIC design reliably implement wireless communication between, for example, a SIMATIC S7-1500 controller and a SIMATIC ET 200MP.

This not only enables simple networking of machines, but also helps to deliver radio coverage to large areas with a data rate of up to 300 Mbit/s. And the KEY-PLUGs W700 iFeatures ensure secure real-time data transmission via PROFINET with PROFI-safe.

Answers for industry.

Automatic guided vehicles (AGV) demand increased safety and real-time capability. SCALANCE W products are ideally suited to this purpose.



Application example: Automatic guided vehicles (AGV), automated with SCALANCE W734-1 RJ45 and W774-1 RJ45

These compact IWLAN products permit applications to be implemented for which IWLAN functionality of the SIMATIC S7-1500 or other controllers is required.

The KEY-PLUGs W700 iFeatures enable additional functions to meet special radio requirements in industry, such as real-time communication via IWLAN. For reliable coverage of larger wireless ranges, the devices offer greater reliability thanks to 2x2:2 MIMO antenna technology according to the IEEE 802.11n standard.

The SCALANCE W series is completed with an extensive range of antennas.

Advantages

- iPCF function for necessary deterministic behavior and fast roaming in PROFINET IO applications
- Wireless transmission of PROFINET with PROFIsafe, e.g. for wireless EMERGENCY OFF function
- By means of MIMO, it is also possible to communicate reliably by radio, even in harsh environments
- Various installation options (wall or cabinet-mounting) because the LEDs are visible from different angles

G_IK10_XX_30335

Wireless standard	IEEE 802.11a/b/g/n
Supported frequencies	2.4 and 5 GHz
Max. bandwidth	300 Mbit/s (2 x 2 : 2 MIMO)
Antenna connectors	2 x R-SMA connector
LAN interfaces	2 x RJ45
Temperature range	-20 °C ... +60 °C
Degree of protection	IP30
Enclosure material	Metal
Current	24 V DC/ PoE according to IEEE 802.3 at Type 1
Installation	Wall, S7 mounting rail, 35 mm standard mounting rail

Product versions

SCALANCE W774-1 RJ45
Access Point for use in the control cabinet

SCALANCE W734-1 RJ45
Client Module for use in the control cabinet

Accessories

KEY-PLUG W780 iFeatures
for enabling additional functions in access points

KEY-PLUG W740 iFeatures
for enabling additional functions in client modules

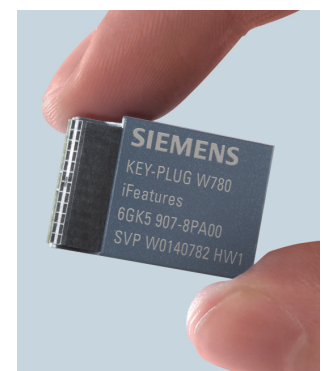


Access Point SCALANCE W770

Apart from the Web-Based Management (WBM) interface, mobile web pages of the SCALANCE W are available for diagnostic purposes; these have been optimized for use with mobile devices such as smart phones or tablet PCs.



SCALANCE W700 mobile website



KEY-PLUG W700 iFeatures

Find out more:
siemens.com/iwlan



Get more information

Making the most of air
Industrial Wireless LAN –
flexible, plant-wide wireless infrastructure:
www.siemens.com/iwlan

IWLAN in the TIA Selection Tool:
www.siemens.com/tia-selection-tool

Industrial Security

Siemens provides automation and drive products with industrial security functions that support the secure operation of plants or machines. They are an important component in a holistic industrial security concept. With this in mind, our products undergo continuous development. We therefore recommend that you keep yourself informed with respect to our product updates. Please find further information and newsletters on this subject at:
<http://support.automation.siemens.com>

To ensure the secure operation of a plant or machine it is also necessary to take suitable preventive action (e.g. cell protection concept) and to integrate the automation and drive components into a state-of-the-art holistic industrial security concept for the entire plant or machine. Any third-party products that may be in use must also be taken into account. Please find further information at:
<http://www.siemens.com/industrialsecurity>

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Article No. 6ZB5530-1BT02-0BA0
DR.PN.SC.14.XXBR.95.06 / Dispo 26000
BR 1113 3. SB 4 En
US Order No.: NTBR-1BT02-0514
Printed in USA
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