

# SIEMENS



Brochure

Edition  
02/2014

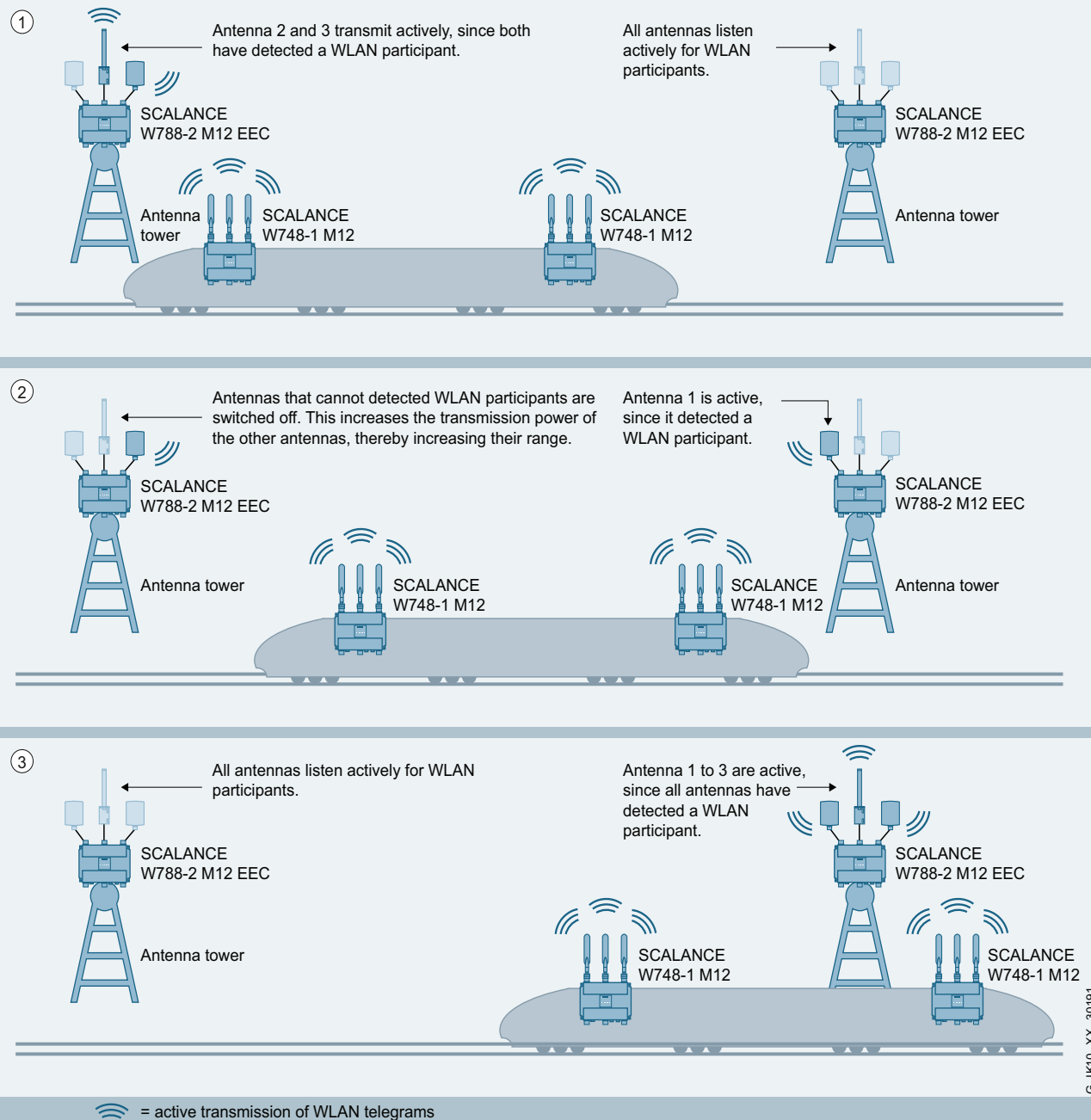
SIMATIC NET

## Powerful with Industrial Wireless LAN SCALANCE W780 and W740

No matter where you are in the plant, the SCALANCE W780 Access Points and SCALANCE W740 Client Modules enable flexible wireless communication based on the IEEE 802.11n standard! Thanks to MIMO functionality, the wireless connection is extremely stable and reliable at data transfer rates of up to 450 Mbit/s. Using the KEY-PLUG W700 iFeatures, e.g. freely mobile client modules can communicate in real time across several wireless cells using PROFINET with PROFIsafe.

This opens up application areas, e.g. along rail tracks, in holiday parks, or even applications with EMERGENCY STOP function via a mobile panel – whether indoors, outdoors or in harsh environmental conditions. The SCALANCE W series is completed with an extensive range of antennas.

Answers for industry.



Real-time communication on trains along rail tracks with SCALANCE W788-2 M12 EEC and W748-1 M12 with the iREF function

### Advantages

- Extremely reliable data communication at transfer rates of up to 450 Mbit/s
- Flexible activation of special functions (iFeatures) to offer the right solution for every task

- Different enclosure types for different requirements, e.g. for the outdoor area or in rail applications
- Thanks to MIMO a reliable wireless communication is also possible in harsh environments

## Product versions

- For the control cabinet
  - SCALANCE W788-1 RJ45, W788-2 RJ45 Access Points
  - SCALANCE W748-1 RJ45 Client Modules
- For the indoor area
  - SCALANCE W788-1 M12, W788-2 M12, W788-2 M12 EEC Access Points
  - SCALANCE W748-1 M12 Client Modules
- For the outdoor area
  - SCALANCE W786-1 RJ45, W786-2 RJ45, W786-2 SFP, W786-2IA RJ45 Access Points

## Accessories

- C-PLUG for data storage
- KEY-PLUG W700 iFeatures for activating iFeatures






SCALANCE W700 mobile website



KEY-PLUG W700 iFeatures

As well as the Web Based Management (WBM) Interface, the mobile Web pages of the SCALANCE W are available for diagnostics. These have been optimized for the use of mobile devices such as smartphones or tablet PCs.

			
	<b>SCALANCE W788 RJ45 / W748 RJ45</b>		<b>SCALANCE W788 M12 / W788 M12 EEC / W748 M12</b>
Wireless standard	IEEE 802.11a/b/g/n		
Supported frequencies	2.4 GHz and 5 GHz		
Max. bandwidth	450 Mbit/s (3x3:3 MIMO)		
Antenna connectors	3 x R-SMA sockets or 6 x R-SMA sockets	3 x N-Connect sockets or 6 x N-Connect sockets	3 x R-SMA sockets or 6 x R-SMA sockets or 6 x internal antennas
LAN interfaces	1 x RJ45 connection for 10/100/1000 Mbit/s	1 x M12 connection for 10/100/1000 Mbit/s	1 x RJ45 connection for 10/100/1000 Mbit/s; 2 x SFP slots for 1000 Mbit/s
Temperature range	-20°C to +60°C	-20°C to +60°C; for EEC: -40°C to +70°C	-40°C to +60°C
Degree of protection	IP30	IP65	
Enclosure material	Aluminum		Plastic / aluminum
Current	2 x 24 V DC Power-over-Ethernet in accordance with IEEE 802.3at	24 V DC Power-over-Ethernet in accordance with IEEE 802.3at	24 V DC, optional operation at 12 to 24 V DC or 100 to 240 V AC Power-over-Ethernet in accordance with IEEE 802.3at
Installation	Wall, S7-1500 profile rail, S7-300 profile rail, 35 mm cap rail		Wall or mast mounting, S7-300 profile rail or on 35 mm cap rail



Find out more:

[www.siemens.com/iwlan](http://www.siemens.com/iwlan)



## Get more information

**Making the most of air**  
Industrial Wireless LAN –  
flexible, plant-wide wireless infrastructure:  
[www.siemens.com/iwlan](http://www.siemens.com/iwlan)

IWLAN in the TIA Selection Tool:  
[www.siemens.com/tia-selection-tool](http://www.siemens.com/tia-selection-tool)

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Article No.: 6ZB5530-1BU02-0BA0  
DR.PN.SC.14.XXBR.95.23 / Dispo 26000  
BR 0214 3. WÜ 4 En  
US Order No.: NTB-IBU02-0314  
Printed in USA  
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For the secure operation of Siemens products and solutions, it is necessary to take suitable preventive action (e.g. cell protection concept) and integrate each component into a holistic, state-of-the-art industrial security concept. Third-party products that may be in use should also be considered. For more information about industrial security, visit:

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