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Sub.: Approval of Siemens A&D PT2 Wireless LAN Product Family "SCALANCE W 700 V1"

Gentlemen:

The Siemens A&D PT2 Wireless LAN Product Family "SCALANCE W 700 V1" consists of three variants, namely

SCALANCE W744-1PRO, contains one transmitter, FCC ID LYHW700-1-V1  
SCALANCE W788-1PRO, contains one transmitter, FCC ID LYHW700-1-V1  
SCALANCE W788-2PRO, contains two transmitters, FCC ID LYHW700-2-V1

All variants are based on the same WLAN chipset (Atheros AR5212 + AR5112) and even on the same WLAN miniPCI module (WMP D-13) produced by Alpha-Networks. This means that all products have the same radio and MAC behaviour.

The SCALANCE W 788-2PRO is a superset of all variants and includes the whole functionality of all three products. This functionality can be divided into

- Simple WLAN client functionality, i.e. the device can bridge Ethernet traffic to a wireless LAN
- Single Access Point functionality
- Access Point functionality supporting two WLAN cells in parallel using two radio interfaces

The SCALANCE W744-1PRO only supports the client functionality. The SCALANCE W788-1PRO includes the single access point functionality and the client mode. The SCALANCE W788-2PRO additionally allows operating two WLAN cells in parallel, since it is fitted with two WLAN radio cards.

Sincerely

  
Ch. Weiler

Siemens AG  
A&D PT2

## Typical use cases for SCALANCE W 700 products

