






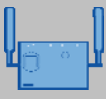



IWLAN Radio-Country Approvals










Approvals for **Simatic Ident** products can be found:

<http://www.siemens.com/rfid-approvals>

Approvals for Simatic Net **GSM/UMTS** products can be found:

<http://www.siemens.com/simatic-net/ik-info>

| Product group with approved antennas | IEEE 802.11n | | | | IEEE 802.11 abg | | | | |
|--------------------------------------|---|---|---|---|--|---|---|---|---|
| |  |  |  |  |  |  |  |  |  |
| | SCALANCE W786 RJ45 / W786 SFP | SCALANCE W788 M12 / W788 RJ45 | SCALANCE WLC711 / W78xC | SCALANCE W784 | SCALANCE W786 PRO / RR | SCALANCE W788 PRO / RR | IWLAN/PB Link PN IO | ET200PRO IM 154-6 PN HF IWLAN | Mobile Panel 277(F) IWLAN V2 |
| | with ANT 1 | with ANT 2 | with ANT 2 | with ANT 3 | with ANT 4 | with ANT 5 | with ANT 3 | with ANT 6 | with ANT 7 |
| Algeria | | | | | | | | | |
| Angola | | | | | | | | | |
| Argentina | | | | • | •(8) | •(8) | • | | |
| Australia | | | | • | • | • | • | | • |
| Bahrain | | | | • | • | • | • | • | |
| Brazil | | | | • | • | • | • | | |
| Canada | | | | •(3) | •(3) | •(3) | •(3) | • | • |
| Chile | | | | • | • | • | • | | |
| China | | | | • | •(8) | •(8) | • | • | • |
| Colombia | | | | • | • | • | • | | |
| Croatia | | | | • | • | • | • | | |
| Egypt | | | | • | • | • | • | | |
| EFTA ^{b)} | • | • | • | • (1) | • (1) | • (1) | • | • | • |
| EU ^{A)} | • | • | • | • (1) | • (1) | • (1) | • | • | • |
| Hong Kong | | | | •(5) | •(5,8) | •(5,8) | •(5) | • | |
| India | | | | • | • | • | • | | |
| Japan | | | | • | • | • | • | | • |
| Kuwait | | | | •(7) | •(7) | •(7) | •(7) | | |
| Macedonia | • | • | • | • | • | • | | | |

| Product group with approved antennas | IEEE 802.11n | | | | IEEE 802.11 abg | | | | |
|--------------------------------------|---|---|---|---|--|---|---|---|---|
| |  |  |  |  |  |  |  |  |  |
| | SCALANCE W786 RJ45 / W786 SFP with ANT 1 | SCALANCE W788 M12 / W788 RJ45 with ANT 2 | SCALANCE WLC711/ W78xC with ANT 2 | SCALANCE W784 with ANT 3 | SCALANCE W786 PRO/ RR with ANT 4 | SCALANCE W788 PRO/ RR with ANT 5 | IWLAN/PB Link PN IO with ANT 3 | ET200PRO, IM 154-6 PN HF IWLAN with ANT 6 | Mobile Panel 277(F) IWLAN V2 with ANT 7 |
| Malaysia | | | | • | • | • | • | | |
| Mexico | | | | • | • | • | • | | |
| Mozambique | | | | • | • | • | • | | |
| Peru | | | | • | • | • | • | | |
| Puerto Rico | | | | •(3,4,9) | •(3,4,9) | •(3,4,9) | •(3,4,9) | | |
| Russia | | | | • | •(8) | •(8) | • | | |
| Saudi Arabia | | | | •(2) | •(2) | •(2) | •(2) | | |
| Serbia | | | | • | • | • | • | | |
| Singapore | | | | • | •(8) | •(8) | • | | |
| South Africa | | | | •(5) | •(5) | •(5) | •(5) | • | • |
| South Korea | | | | • | •(8) | •(8) | • | • | • |
| Taiwan | | | | •(3) | •(3,8) | •(3,8) | • | • | • |
| Turkey | • | • | • | • | • | • | • | • | • |
| Ukraine | | | | • | • | • | • | | |
| Unit. Arab. Emirate | | | | •(6) | •(6) | •(6) | •(2) | | |
| Uruguay | | | | • | • | • | • | | |
| USA | | | | •(3,4) | •(3,4) | •(3,4) | •(3,4) | • | • |
| Venezuela | | | | • | • | • | • | | |
| Vietnam | | | | • | • | • | • | | |

General

A) EU: Austria, Belgium, Bulgaria, Cyprus, Latvia, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Italy, Ireland, Lithuania, Luxembourg, Malta, Netherlands, Poland, Portugal, Romania, Slovak Republic, Slovenia, Spain, Sweden, UK

B) EFTA: Iceland, Liechtenstein, Norway, Switzerland

C) For further details please contact our customer support, I IA AS CS1, Tel.: +49 180/5050-222





















contact form: <http://www.siemens.de/automation/support-request>

Country-specific Notes

- (1) For all marked SCALANCE W Access Points ordered after 2009-04-01 the DFS channels (channels 120, 124, 128) of the 5 GHz band are no longer approved within the European Union
- (2): for these components only the 2,4 GHz band is approved
- (3): the antenna ANT793-8DN is not approved for this country
- (4): channels 52, 56, 60 und 64 of the 5GHz band are not approved for IEEE 802.11a
- (5): channels 120, 124 and 128 of the 5GHz band are not approved for IEEE 802.11h
- (6): The 5 GHz band is only approved for IEEE 802.11h
- (7): for these components the 2,4 GHz band and the following channels of the 5 GHz band are approved: channels: 36, 40, 44, 48, 52, 56, 60, 64
- (8): the power supply modules PS791-1PRO and PS791-2AC are not approved
- (9) approved are the US devices

Antennas

Antenna overview

| Antennas exclusively for SCALANCE W793 according to IEEE 802.11n | | | Antennas for SCALANCE W793 according to IEEE 802.11n and 802.11a/b/g | | Antennas exclusively for SCALANCE W700 according to IEEE 802.11a/b/g | |
|--|--|--|--|--|--|--|
| with 1 connection | with 2 connections (dual) | with 3 connections (MIMO) | with 1 connection | with 1 connection | with 1 connection | |
|  ANT795-4MA |  ANT793-6DC |  ANT795-6MT |  ANT792-4DN |  ANT795-4MR | | |
|  ANT795-4MC |  ANT793-8DJ |  ANT793-8DT |  ANT793-4MN |  ANT795-4MS | | |
|  AN1795-4MD |  ANT793-8DK | |  AN1792-6MN |  AN1795-6DN | | |
|  ANT795-6DC | | |  ANT793-6MN |  ANT793-8DN | | |
| | | |  ANT792-8DN | | | |
| | | |  ANT795-6MN | | | |
| | | |  RCoax radiating cables | | | |

The following antennas are approved in combination with the APs and recommended:

ANT 1: ANT792-4DN, ANT792-6MN, ANT792-8DN, ANT793-4MN, ANT793-6DG, ANT793-6DT, ANT793-6MN, ANT793-8DJ, ANT793-8DK, ANT795-6DC, ANT795-6MN, ANT 795-6MT, RCoax 2.4 and 5 GHz

ANT 2: ANT792-4DN, ANT792-6MN, ANT792-8DN, ANT793-4MN, ANT793-6DG, ANT793-6DT, ANT793-6MN, ANT793-8DJ, ANT793-8DK, ANT795-4MA, ANT795-4MC, ANT795-4MD, ANT795-6DC, ANT795-6MN, ANT 795-6MT, RCoax 2.4 and 5 GHz

ANT 3: ANT792-4DN, ANT792-6MN, ANT792-8DN, ANT793-4MN, ANT793-6MN, ANT793-8DN, ANT795-4MR, ANT795-4MS, ANT795-6DN, ANT795-6MN, RCoax 2.4 and 5 GHz

ANT 4: ANT792-4DN, ANT792-6MN, ANT792-8DN, ANT793-4MN, ANT793-6MN, ANT793-8DN, ANT795-6DN, ANT795-6MN, RCoax 2.4 and 5 GHz

ANT 5: ANT792-4DN, ANT792-6MN, ANT792-8DN, ANT793-4MN, ANT793-6MN, ANT793-8DN, ANT795-4MR, ANT795-6DN, ANT795-6MN, RCoax 2.4 and 5 GHz

ANT 6: ANT IM 154-6 IWLAN, ANT792-4DN, ANT792-6MN, ANT793-4MN, ANT793-6MN

ANT 7: internal antenna of Mobile Panel 277(F) IWLAN

SCALANCE W786 RJ45 / W786 SFP

• contains the product groups

SCALANCE W786-1 RJ45 / W786-2 RJ45 / W786-2IA RJ45 / W786-2 SFP

SCALANCE W788 M12 / W788 RJ45

• contains the product groups

W748-1 RJ45 / W788-1 RJ45 / W788-2 RJ45 / W748-1 M12 / W788-1 M12 / W788-2 M12

SCALANCE WLC711 / W78xC

• contains the product groups

SCALANCE WLC711 / W788C-2 RJ45 / W788C-2 M12

SCALANCE W784

• contains the product groups

SCALANCE W784-1 / -1RR / W744-1 / W746-1 / W747-1

SCALANCE W786 PRO/ RR

• contains the product groups

SCALANCE W786-x:- RJ45 HW rev. 3, - FO HW rev. 4

SCALANCE W786-2 HPW: - RJ45 HW rev. 4, - FO HW rev. 6

• **RJ45 HW rev. 3:** Summary of the following products (MLFB)

W786-1PRO 6GK5786-1AA60-2xxx

6GK5786-1BA60-2xxx

W786-2 PRO 6GK5786-2AA60-2xxx

6GK5786-2BA60-2xxx

W786-3 PRO 6GK5786-3AA60-2xxx

W786-2 RR 6GK5786-2AA60-6xxx

6GK5786-2BA60-6xxx

• **FO HW rev. 4:** Summary of the following products (MLFB)

W786-1PRO 6GK5786-1AB60-xxxx

6GK5786-1BB60-xxxx

| | |
|------------|--------------------|
| W786-2 PRO | 6GK5786-2AB60-xxxx |
| | 6GK5786-2BB60-xxxx |
| W786-3 PRO | 6GK5786-3AB60-xxxx |

SCALANCE W788 PRO/ RR

- contains the product groups

SCALANCE W788-1PRO/-2PRO/-1RR/-2RR/W744-1PRO/W746-1PRO/W747-1RR

- Summary of the following products (MLFB)

| | |
|-----------|--------------------|
| W788-1PRO | 6GK5788-1AA60-xxxx |
| W788-2PRO | 6GK5788-2AA60-xxxx |
| W788-1RR | 6GK5788-1AA60-xxxx |
| W788-2RR | 6GK5788-2AA60-xxxx |
| W744-1PRO | 6GK5744-1AA60-xxxx |
| W746-1PRO | 6GK5746-1AA60-xxxx |
| W747-1RR | 6GK5747-1AA60-xxxx |

IWLAN/PB Link PN IO

- contains the product groups

IWLAN/PB Link PN IO HW rev. 3

ET200PRO, IM 154-6 PN HF IWLAN

- Summary of the following products (MLFB)

| | |
|----------------------|--------------------|
| IM 154-6 PN HF IWLAN | 6ES7154-6ABxx-xxxx |
|----------------------|--------------------|

Mobile Panel 277(F) IWLAN V2

- Summary of the following products (MLFB)

| | |
|------------------------------------|--------------------|
| Mobile Panel 277 IWLAN | 6AV6645-0Dxxx-xxx1 |
| Mobile Panel 277(F) IWLAN | 6AV6645-0Exxx-xxx1 |
| Mobile Panel 277F IWLAN USA | 6AV6645-0Gxxx-xxx1 |
| Mobile Panel 277 IWLAN USA | 6AV6645-0Fxxx-xxx1 |