Type	Number of WLAN ports	Number and type of Ethernet ports	Number of internal antennas	Number of R-SMA sockets for external antennas	Order no.
W786-1PRO	1	1 ST duplex multimode FO cable	—	2	6GK5786-1AB60-2AA0 6GK5786-1AB60-2AB0 (1)
W786-2PRO	2	1 RJ-45	4 (diversity(2))	—	6GK5786-2BA60-2AA0 6GK5786-2BA60-2AB0 (1)
W786-2PRO	2	1 RJ-45	—	4	6GK5786-2AA60-2AA0 6GK5786-2AA60-2AB0 (1)
W786-2PRO	2	1 ST duplex multimode FO cable	4 (diversity(2))	—	6GK5786-2BB60-2AA0 6GK5786-2BB60-2AB0 (1)
W786-2PRO	2	1 ST duplex multimode FO cable	—	4	6GK5786-2AB60-2AA0 6GK5786-2AB60-2AB0 (1)
W786-2RR	2	1 RJ-45	4 (diversity(2))	—	6GK5786-2BA60-6AA0 6GK5786-2BA60-6AB0 (1)
W786-2RR	2	1 RJ-45	—	4	6GK5786-2AA60-6AA0 6GK5786-2AA60-6AB0 (1)
W786-3PRO	3	1 RJ-45	—	6	6GK5786-3AA60-2AA0 6GK5786-3AA60-2AB0 (1)
W786-3PRO	3	1 ST duplex multimode FO cable	—	6	6GK5786-3AB60-2AA0 6GK5786-3AB60-2AB0 (1)

(1) US variant

(2) There are two internal antennas per WLAN port. The antenna used is always the one that provides the best possible data transmission (diversity).

Features of the SCALANCE W784-1xx / W74x-1



Type	Number of WLAN ports	Number of supported IP nodes	Number of supported MAC nodes	iPCF mode (1)	Order no.
W784-1	1	several	several	No	6GK5784-1AA30-2AA0 6GK5784-1AA30-2AB0 (2)
W784-1RR	1	several	several	Yes	6GK5784-1AA30-6AA0 6GK5784-1AA30-6AB0 (2)
W744-1	1	1	1	No	6GK5744-1AA30-2AA0 6GK5744-1AA30-2AB0 (2)
W746-1	1	8	8	No	6GK5746-1AA30-4AA0 6GK5746-1AA30-4AB0 (2)
W747-1	1	8	8	Yes	6GK5747-1AA30-6AA0 6GK5747-1AA30-6AB0 (2)

(1) The iPCF mode provides an optimized data throughput and minimum handover times.

(2) US variant

2.4 Requirements for installation and operation of SCALANCE W-700 devices

Requirements for installation and operation of SCALANCE W-700 devices

A PG/PC with a network connection must be available in order to configure SCALANCE W-700 devices. If no DHCP server is available, a PC on which the Primary Setup Tool (PST) is installed is necessary for the initial assignment of an IP address to SCALANCE W-700 devices. For the other configuration settings, a computer with Telnet or an Internet browser is necessary.

2.5 C-PLUG

Configuration information on the C-PLUG

The C-PLUG is used to transfer the configuration of the old device to the new device when a device is replaced. When the new device starts up with the C-PLUG, it then continues automatically with exactly the same configuration as the old device. One exception to this can be the IP configuration if it is set over DHCP and the DHCP server has not been reconfigured accordingly.

Reconfiguration is necessary if you use WDS or redundancy with devices with more than one WLAN interface and use the MAC addresses and not the sysNames. These functions are then based on the MAC address that inevitably changes if a device is replaced.

Note

In terms of the C-PLUG, the SCALANCE W-700 devices work in two modes:

- **Without C-PLUG**
  The device stores the configuration in internal memory. This mode is active when no C-PLUG is inserted.
- **With C-PLUG**
  The configuration stored on the C-PLUG is displayed over the user interfaces. In this mode, the internal memory is neither read nor written. If changes are made to the configuration, the device stores the configuration directly on the C-PLUG. This mode is active when no C-PLUG is inserted. As soon as the device is started with a C-PLUG inserted, the SCALANCE W-700 starts up with the configuration data on the C-PLUG.