MANUFACTURER DOCUMENT PACKAGE

Manufacturer's Manual

Reference package for procurement and maintenance review

SIEMENS

6ES5304-3UB11

IM304 INTERFACE MODULE

Used with the applicable SIMATIC S5-135/155 configuration.

REFERENCE PACKAGE

OFFICIAL DOCUMENT

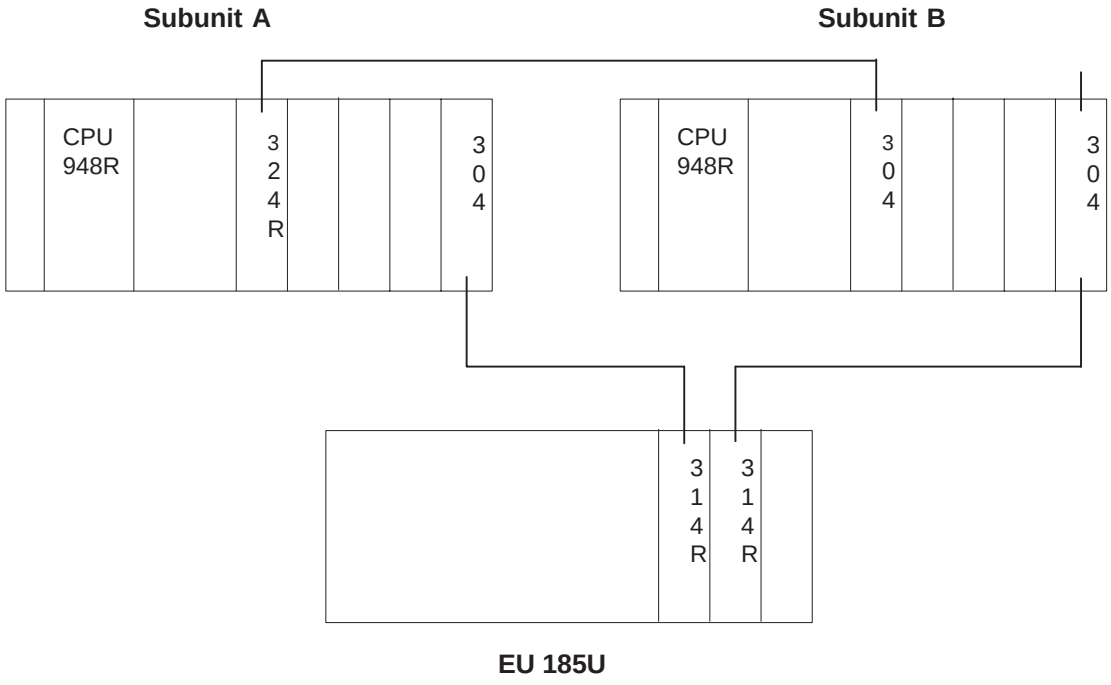
Selected official manufacturer pages follow this cover.

Source: Siemens official technical documentation for 6ES5304-3UB11

10.2 Installing the Hardware

System Configuration

You are going to install and configure an S5-155H system as shown in the diagram below.



Establishing a CC-to-CC Parallel Link

The purpose of this step is to establish the parallel link between the two CCs via the IM 324R and IM 304 (6ES5 304-3UB11) interface modules.

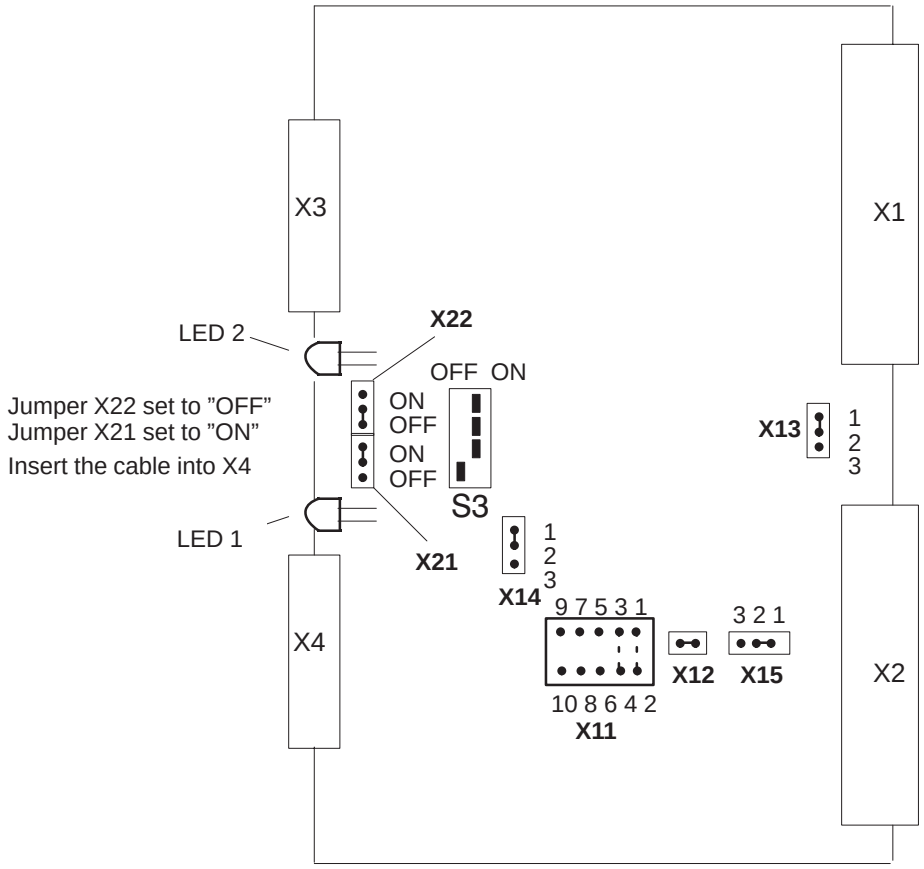
No changes to the jumper settings on the IM 324R are necessary (see Section 4.2). You must change the jumper settings on the 6ES5 304-3UB.. as shown in the diagram on the next page.

Plug the IM 324R into slot 131 in one of the subunits. This subunit will be referred to as subunit **A**.

Jumper Settings on the IM 304

Configure the jumpers on the IM 304 (module 6ES5 304-3UB11) as shown in the diagram below.

The setting for X11 may not exceed 100 m.



X11: Adaption to different cable lengths

	Jumper plug X11				
Jumper position	9 7 5 3 1 *) 10 8 6 4 2	9 7 5 3 1 10 8 6 4 2	9 7 5 3 1 10 8 6 4 2	9 7 5 3 1 10 8 6 4 2	9 7 5 3 1 10 8 6 4 2
Cable length	Max. 10 m	10 to 100 m			

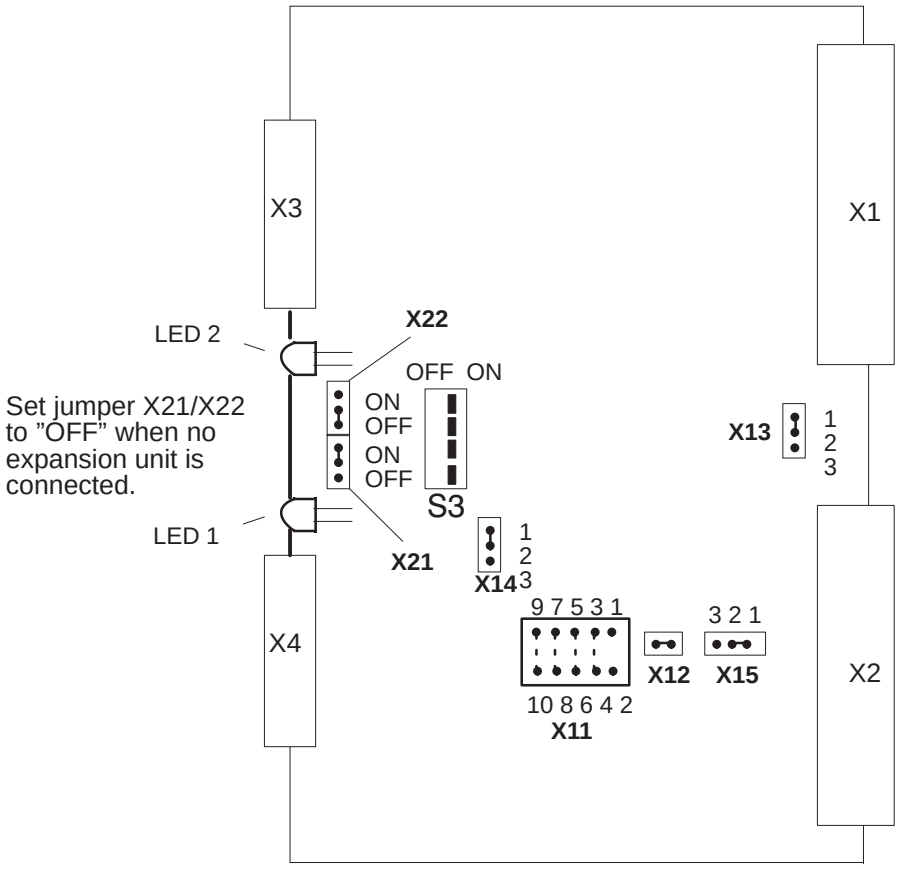
*) These settings are only allowed for interfacing the IM 304 and IM 324R in an S5-155H system. The length of the link to interface X4 determines the position of jumper X11.

Installing the I/O Bus

The purpose of this step is to establish the symmetrical link between the CC and the EU via the IM 304 (6ES5 304-3UB11) in subunits A and B and the two IM 314Rs in the expansion unit.

Jumper Settings on the IM 304

Set the jumpers on the IM 304 (module 6ES5 304-3UB11) as shown in the diagram below.



X11: Adaption to different cable lengths

	Jumper plug X11				
Jumper position	9 7 5 3 1 *) 10 8 6 4 2	9 7 5 3 1 10 8 6 4 2	9 7 5 3 1 10 8 6 4 2	9 7 5 3 1 10 8 6 4 2	9 7 5 3 1 10 8 6 4 2
Cable length		1 to 100 m	100 to 250 m	250 to 450 m	450 to 600 m

*) These settings are permitted only for interfacing the IM 304 and the IM 324R in an S5-155H system.

The length of the link to interface X3 or X4 determines the position of jumper X11.