MANUFACTURER DOCUMENT PACKAGE

Manufacturer's Manual

Reference package for procurement and maintenance review

SIEMENS

C79459-A1715-B21

LOADABLE-DRIVER HARDWARE DONGLE

Used with the applicable SIMATIC Serial Communications configuration.

REFERENCE PACKAGE

OFFICIAL DOCUMENT

Selected official manufacturer pages follow this cover.

Source: Siemens Data Highway, C79000-G7076-C309-01, hardware requirements: B21/B22 authorization distinction and dongle installation.

SIEMENS

SIMATIC

Data Highway

Reference Manual

This manual is part of the documentation “Loadable Drivers Data Highway” with the order number:

6ES7870-1EA00-0YB0

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03/99
C79000-G7076-C309
Release 01

1.2 Hardware and Software Requirements

Suitable Modules

This driver can be run on a CP 341 and on a CP 441-2 with order number 6ES7 441-2AA0x-0AE0 (x >1).

Dongle

Operating the communications processor with loadable drivers requires a dongle labeled C79459-A1715-B22. This dongle is included in the driver consignment.

Drivers can be loaded for both interfaces of the CP 441-2. When loading drivers, please note that you can also use the drivers using the dongle labeled C79459-A1715-B21 with the Data Highway dongle. However, please also note that this B21 dongle will not permit operation of Data Highway.

Inserting the Dongle

To insert the dongle, first remove the communications processor from the module rack. You can then insert the dongle in the submodule slot located on the back side of the communications processor above the plug for the backplane bus.

CPU Memory Card

When the CP 441-2 is in operation, the loadable drivers are assigned parameters, loaded into the CPU memory card, and then transferred to the communications processor memory on CPU startup.

Each communications processor interface used to assign parameters to loadable drivers requires approximately 25 Kbytes of the CPU memory card.

For this reason, a CPU memory card of sufficient capacity must be installed. If necessary, a RAM or FLASH **Memory Card** (MLFB 6ES7 952-…) will be needed to help meet these capacity requirements.

When the CP 341 is in operation, the loadable drivers are loaded directly into the CP 341. This means that the S7-300 CPU does not require a memory card. However, please note that this also means that modules cannot be exchanged without using a programming device (PG).