
Welcome at PB610 Panel Builder 600
Protocol “CODESYS V3 ETH”

This README-file contains important information about Protocol “CODESYS V3 ETH” for PB610 Panel Builder 600 V2.8.1.4xx.
Please, read the whole document, in order to get the newest information.

Main Features of PB610-CODESYS V3 ETH

- CDS3-299-PanelBuilder600-v2.8.1.516.exe is an executable file, that adds a new version of CODESYS V3 ETH protocol to an existing PB610 Panel Builder 600 installation, version V2.8.1.4xx
- CODESYS V3 ETH protocol supports TCP-based communication

Requirements

- A PB610 Panel Builder 600 installation, version V2.8.1.4xx has to be available on the PC and needs to be closed.
- This protocol is supported by following CP600 control panels:
 - CP604, CP604-B, CP607, CP607-B, CP610, CP610-B starting from A0
 - CP620, C630, CP635, CP635-B starting from index C3
 - CP651, CP661, CP665, CP676 starting from index A0
 - CP6407, CP6410, CP6415 starting from index A0
 - CP6605, CP6607, CP6610, CP6615, CP6621 from index A0The support of the protocols for control panels is enabled during production process in the factory. It cannot be enabled later on.

Important notes

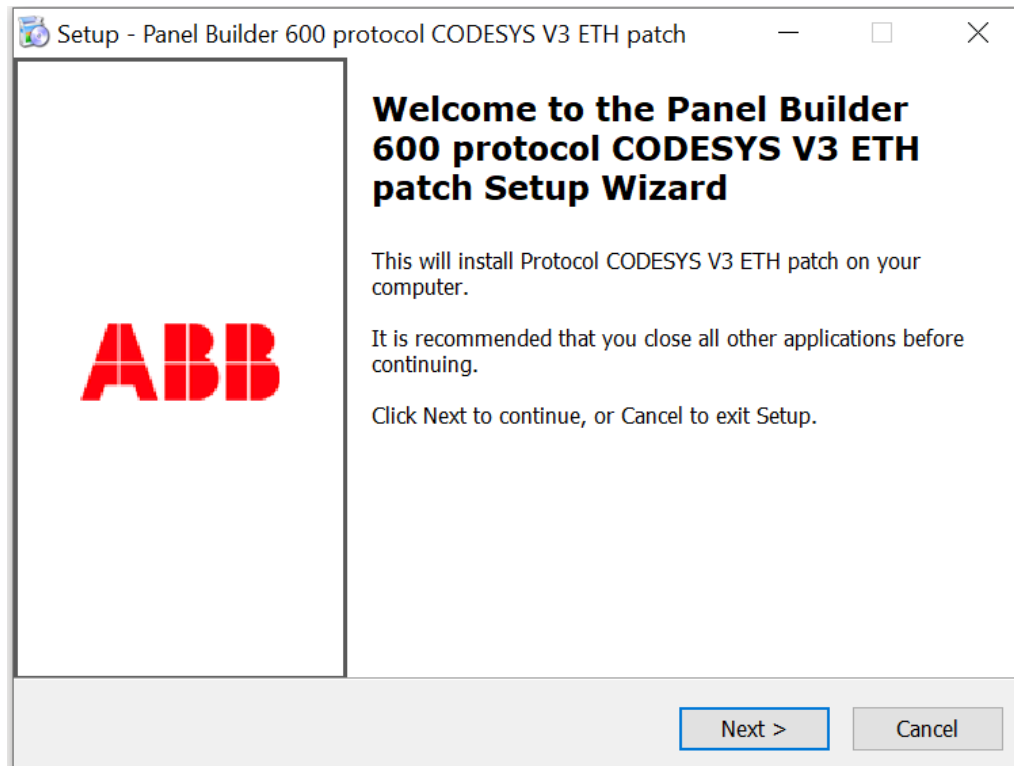
- For communication of a CP600 control panel with an AC500 V3 PLC (FW 3.3.1 or later) TCP protocol version must be used.
- TCP protocol version does not support “Full node address” with AC500 V3 PLC. The checkbox must not be checked.

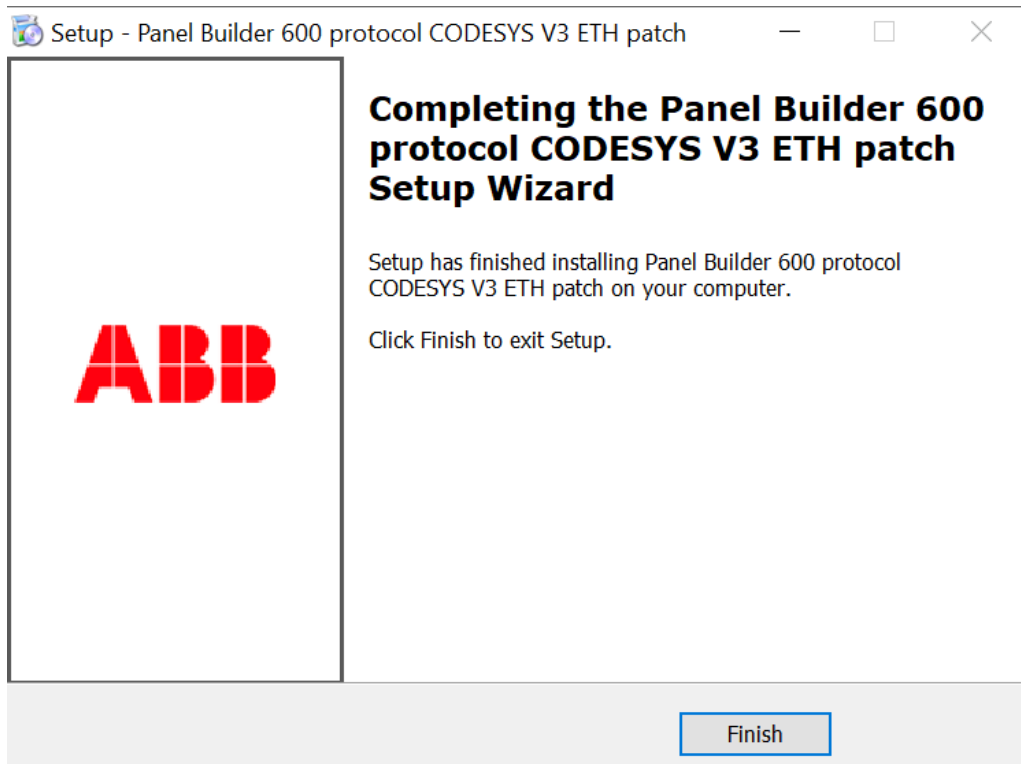
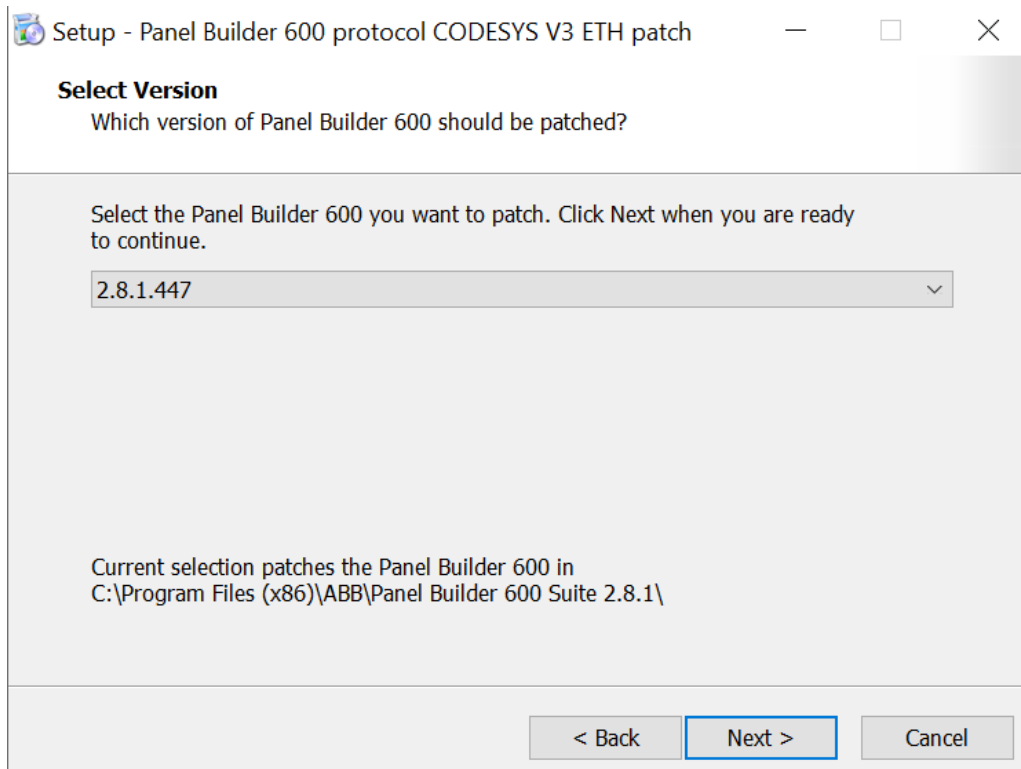
The screenshot shows the 'CODESYS V3 ETH' configuration window. It has a title bar with a close button (X). Inside, there is a checkbox for 'PLC Network' which is currently unchecked. To the right of this checkbox are 'OK' and 'Cancel' buttons. Below the checkbox, there are several fields: 'Alias' (a text box), 'Protocol' (a dropdown menu showing 'TCP'), 'IP address' (a text box with '0 . 0 . 0 . 0'), 'Timeout (ms)' (a text box with '1000' and up/down arrows), 'Full node address' (an unchecked checkbox), and 'Variable list count' (a text box with '255' and up/down arrows). At the bottom, there is a section titled 'PLC Models' containing a list box with 'CODESYS 3' and 'Schneider' entries, where 'CODESYS 3' is currently selected.

Installation

- Before starting the .exe file make sure that the PB610 desktop application is closed.
- When executing this file, PB610 V2.8.1.4xx installations in the PC are checked and user is asked to select the version, he wants to add the protocol to.

Setup:





- When installation is completed, the protocol will be available in PB610 engineering tool.