PCM600 features:

Project explorer to navigate to the used IEDs within a project / substation:
- Filtering of parameters enables viewing relevant of a function block
- Re-use configured IEDs with powerful copy / paste functionality
- Access to the tools of selected IED

Parameter setting enables viewing and setting of IED parameters:
- Graphical visualization of DR events in the dashboard.
- Graphical representation of parameters simplifies setting of protection function parameters
- Export and import parameters for test sets in XRI0 format, or export in CSV format

Graphical application configuration for creation and monitoring of application configuration:
- Create, adapt and modify application configurations
- Template support for later re-use
- Presentation of whole signal flow from input to output
- Validation of configuration before writing configuration to an IED
- Comparison of configuration between tool and IED
- Online monitoring to verify real-time processes in the IED

Signal matrix for efficient and flexible connection of:
- Analogue signals of CTs, VTs
- Binary input and output signals
- Connection of the GOOSE (Generic Object Oriented System-Wide Events) signals between IEDs

Graphical display editor for configuring the display of an IED:
- IEC and ANSI symbol palettes
- Template functionality for efficient re-use of display configurations

Hardware configuration:
- View hardware configuration of an IED
- Add or change hardware modules
- Compare hardware configuration used in tool and actual one in IED

Communication management for configuration of different communication protocols:
- DNP3, IEC 60870-5-101/103/104 or Modbus®

IEC 61850 configuration:
- View or engineer dataset and dataflow configuration, for vertical or horizontal IEC 61850 communication
- Integration of loose Relion IEDs into 3rd party system
- GOOSE configuration between Relion IEDs in one project

Access management:
- Use access management both for the tool and the IEDs user account management

Comparison of configuration between IEDs and PCM600:
- Online to compare differences of connected IED and configuration in tool
- Offline for comparison of configurations of two IEDs being in same project or not

Managing service relevant data from IEDs:
- IEC 61850 based IEDs (Ed.1 and Ed.2)
- Reading all attributes from LLN0 and LPHD Logical Node
- Tracking changes in the dashboard

Monitoring of IED signals and events:
- Signal monitoring for online information of measures values and status of binary input and output signals
- Event viewer enables viewing of iED events

Integrated disturbance recording functionalities for:
- Scanning and analysis of disturbance information

Configuration data backup functionality

PCM600 utilizes ABB’s unique Connectivity Package concept:
- Connectivity Packages contains a comprehensive description of the IED, consisting of data signals and parameters as well as the IED documentation

Power and productivity for a better world™ ABB
Specifications

Technical data

<table>
<thead>
<tr>
<th>Hardware</th>
<th>Minimum</th>
<th>Recommended</th>
</tr>
</thead>
<tbody>
<tr>
<td>CPU</td>
<td>1.5 GHz</td>
<td>2.4 GHz</td>
</tr>
<tr>
<td>RAM</td>
<td>2 GB</td>
<td>4 GB</td>
</tr>
<tr>
<td>Free hard disk space</td>
<td>4 GB</td>
<td>8 GB</td>
</tr>
<tr>
<td>Monitor</td>
<td>1024 x 768</td>
<td>1280 x 1024</td>
</tr>
<tr>
<td>Ethernet port</td>
<td>required</td>
<td>required</td>
</tr>
</tbody>
</table>

Communication

<table>
<thead>
<tr>
<th>Protocols</th>
</tr>
</thead>
<tbody>
<tr>
<td>TCP/IP via LAN or WAN</td>
</tr>
<tr>
<td>Serial Port (RS-232) or USB/RS-232 converter if SPA-based communication is used</td>
</tr>
<tr>
<td>Opto/electrical (RS-232) cable for front communication if SPA-based communication is used</td>
</tr>
</tbody>
</table>

Supported operating systems

<table>
<thead>
<tr>
<th>Operating system</th>
<th>Version</th>
</tr>
</thead>
<tbody>
<tr>
<td>Windows Server 2008 R2 (64-bit)</td>
<td>-</td>
</tr>
<tr>
<td>Microsoft Windows Vista Business 32-bit</td>
<td>SP2</td>
</tr>
<tr>
<td>Microsoft Windows 7 Professional 32-bit</td>
<td>SP1</td>
</tr>
<tr>
<td>Microsoft Windows 7 Professional 64-bit</td>
<td>SP1</td>
</tr>
<tr>
<td>Windows 8 / 8.1 32-bit</td>
<td>-</td>
</tr>
<tr>
<td>Windows 8 / 8.1 64-bit</td>
<td>-</td>
</tr>
<tr>
<td>Windows 10</td>
<td>-</td>
</tr>
</tbody>
</table>

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