ABB ABILITY EDCS REFERENCE ARCHITECTURE COLLECTION

NOTES

Reference architectures provide examples of ABB Ability EDCS systems, showing which devices is possible to connect to cloud platform. In real installation the mix of products can differ from examples.

E-HUB / E-HUB(1)

In order to ensure optimal data logging performance,
- Verify the correct balance between Master and Slave devices.
- Modbus TCP/IP Connectivity: the devices connected to each Ekip Com HUB / E-Hub with Modbus TCP communication protocol cannot exceed 15 points.
- Modbus RTU (RS-485) Connectivity: the slave devices connected to each Ekip Com HUB / E-Hub with Modbus RTU communication protocol cannot exceed 15 points.

(1) E-HUB is no longer available for sales, it has been replaced by E-HUB 2.0

<table>
<thead>
<tr>
<th>Device</th>
<th>TCP/IP</th>
<th>HUB / HUB</th>
<th>Modbus TCP</th>
<th>M Bus</th>
<th>3</th>
<th>2</th>
<th>1</th>
<th>0</th>
<th>0</th>
</tr>
</thead>
</table>

Max 1 CMS700 + 96 sensors for both E-HUB and Com HUB

Max 1 SCU100 + 96 sensors for both E-HUB and Ekip Com HUB

Max 1 EQmatic* + 10 meters

*EQmatic compatible with ABB Ability EDCS as master of system with Modbus RTU and M-Bus systems, but only the 16 version (QA/S 3.16.1, M-Bus; QA/S 4.16.1, Modbus RTU)

E-HUB 2.0

In order to ensure optimal data logging performance,
- Verify the correct balance between Master and Slave devices.
- Modbus TCP/IP Connectivity: the devices connected to each E-HUB 2.0 with Modbus TCP/IP communication protocol cannot exceed 30 points.
- Modbus RTU (RS-485) Connectivity: the devices connected to each E-HUB 2.0 with Modbus RTU communication protocol cannot exceed 30 points.

<table>
<thead>
<tr>
<th>Device</th>
<th>TCP/IP</th>
<th>HUB / HUB</th>
<th>Modbus TCP</th>
<th>M Bus</th>
<th>3</th>
<th>2</th>
<th>1</th>
<th>0</th>
<th>0</th>
</tr>
</thead>
</table>

CMS700 + 32 sensors: 3 points and / or CMS700 + 96 sensors: 5 points

SCU100 + 32 sensors: 3 points and / or SCU100 + 96 sensors: 5 points

Max 2 EQmatic* + 15 meters

*EQmatic compatible with ABB Ability EDCS as master of Modbus RTU and M-Bus systems, but only the 16 version (QA/S 3.16.1, M-Bus; QA/S 4.16.1, Modbus RTU)