



NOTES

Network and installation requirements

1. Provide Ekip Com HUB with internet connectivity, either via LAN or via dedicated router with SIM card.
2. Only during commissioning with Modbus TCP devices, it is necessary to connect all devices and Ekip Com HUB on the same network (see dotted ethernet line).
3. If internet connection is via site network, the following ports shall be reachable:
 - 443/TCP: needed for the upload of the data via HTTPS
 - 53/UDP: needed for public DNS
 - 123/UDP: if connecting to public NTP server or ABB SNTP server
4. Disable the firewall, if one is present on your laptop, before starting commissioning.
5. For commissioning connect laptop to same ethernet network used for field devices (Ekip Com HUB). Laptop shall be able to connect to internet via LAN.

- LEGEND**
- Modbus RTU RS485
 - Modbus TCP
 - Ethernet
 - M-Bus
- (1) Emax 2 equipped with Ekip Touch, Ekip Hi-Touch, Ekip G-Touch or Ekip G-Hi Touch and provided with Ekip Supply + Ekip Com HUB + Ekip Com Modbus TCP.
 - (2) Emax 2 equipped with Ekip Touch, Ekip Hi-Touch, Ekip G-Touch or Ekip G-Hi Touch and provided with Ekip Supply + Ekip Com Modbus TCP.
 - (3) Tmax XT equipped with Ekip Touch, Ekip Touch Measuring, Ekip G Touch, Ekip M Touch, Ekip Hi-Touch o Ekip G Hi-Touch + auxiliary power supply + Ekip Com Modbus TCP mounted in dedicated slot in Tmax XT case.
 - (4) Tmax XT equipped with Ekip Touch, Ekip Touch Measuring, Ekip G Touch, Ekip M Touch, Ekip Hi-Touch o Ekip G Hi-Touch + Ekip Supply mounted on Ekip Cartridge + Ekip Com Modbus TCP mounted on Ekip Cartridge.
 - (5) Tmax XT equipped with Ekip Touch, Ekip Touch Measuring, Ekip G Touch, Ekip M Touch, Ekip Hi-Touch or Ekip G Hi-Touch + Ekip Supply mounted on Ekip Cartridge + Ekip Com HUB mounted on Ekip Cartridge + Ekip Com Modbus TCP mounted on Ekip Cartridge.
 - (6) Ekip UP equipped with Ekip Supply + Ekip Com HUB + Ekip Com Modbus TCP.
 - (7) Ekip UP equipped with Ekip Supply + Ekip Com Modbus TCP.
 - (8) CMS700
 - (9) TruOne equipped with OXE1 + Ekip Com Modbus TCP.
 - (10) TruOne equipped with OXE1 + Ekip Com HUB + Ekip Com Modbus TCP.
 - (11) MV relays REF542plus
 - (12) Ekip Signalling Modbus TCP
 - (13) M2M Network analyzer version with communication Modbus TCP.
 - (14) EQmatic Energy analyzer as modbus RTU master.
 - (15) EQmatic Energy analyzer as M-Bus master.
 - (16) Third party Water Meter with M-Bus communication.
 - (17) Third party Gas Meter with M-Bus communication.
 - (18) Third party Water Meter with Modbus RTU communication.
 - (19) Third party Gas Meter with Modbus RTU communication.
 - (20) M4M 20 or M4M 30 Network Analyzer with Modbus TCP communication
 - (21) SCU100

EM. Issue	DESCRIZIONE - Description	COMPL. Drawn up	VERIF. Check	APPROV. App'd	DATA Date
		PS	MB	NS	11.06.20
1	Added devices	PS	MB	NS	11.06.20
	Change / Review notes				

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		9AKK107045A6881		FOGLIO Sheet 001 EM. Issue XX
TITOLO - Title REFERENCE ARCHITECTURE ABB ABILITY EDCS WITH COMMUNICATION PROTOCOL MODBUS TCP.				
IMPANTO - Plant	DATA - Date	SCALA GRAFICA - Graphic scale	RIF. CLIENTE - Client ref.	
-	11/06/2020	-	-	

