

Connection with “Sempal” Devices

	SVTU-11 RP (S1)	SVTU-11	SVTU-10M Mx RP	SVTU-10M 5Mx RP	SVTU-10M Mx	SVTU-10M 5Mx	SVTU-10M	SVTU-10	C-11
On sale	Yes	Yes	Yes	No	No	No	No	No	Yes
RS232, Sempal protocol	Yes ¹	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
RS485, Sempal protocol	No	No	Yes ²	Yes	Yes ²	Yes	No	No	Yes
RS485, Modbus RTU protocol	Yes ²	No	Yes ²	Yes	No	No	No	No	Yes
MBus protocol	Yes ³	MC-02 ⁴	MC-02 ⁴	MC-02 ⁴	No	No	No	No	No
Connection via iRDA	Yes	No	No	No	No	No	No	No	No
Connection via USB	Connection via adapter USB / RS232, for example Cablexpert UAS-DB9M-02								
Connection via Ethernet	Connection via adapter Ethernet / RS232, for example Moxa NPort 5110								
OPC-server DA / HDA	No	Yes	Yes	No	Yes	Yes	No	No	No
Program ‘Device Manager .Net’									
Program ‘Device Manager .Net’	Yes	Yes	Yes	Yes	No	No	No	No	Yes
Connection via RS232	Yes ¹	Yes	Yes	Yes	No	No	No	No	Yes
Connection via RS485 (Sempal protocol)	No	No	Yes ²	Yes	No	No	No	No	Yes
Connection via iRDA	Yes	No	No	No	No	No	No	No	No
Connection via TCP/IP	Yes	Yes	Yes	Yes	No	No	No	No	Yes
Connection via MBus	Yes ³	No	No	No	No	No	No	No	No
Connection via ‘MBus Hub’	Yes ³	No	No	No	No	No	No	No	No
GSM-modem (CSD-mode)	Yes ¹	Yes	Yes	Yes	No	No	No	No	Yes
GSM-modem (GPRS, mode TCP-client) ⁵	Yes ¹	Yes	Yes	Yes	No	No	No	No	Yes
GSM-modem (GPRS, mode TCP-server)	Yes ¹	Yes	Yes	Yes	No	No	No	No	Yes
Program ‘Sempal DM3’									
Program ‘Sempal DM3’	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No
Connection via RS232	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No
Connection via RS485 (Sempal protocol)	No	No	Yes ²	Yes	Yes ²	Yes	No	No	No
GSM-modem (CSD-mode)	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No
Online service ‘Sempal Cloud DM’ (https://cloud.sempal.net.ua)									
Online service ‘Sempal Cloud DM’	Yes	Yes	Yes	Yes	Yes	Yes	No	No	No
GSM-modem (GPRS, mode TCP-client) ⁵	Yes ¹	Yes	Yes	Yes	Yes	Yes	No	No	No
GSM-modem (GPRS, mode TCP-server)	Yes ¹	Yes	Yes	Yes	Yes	Yes	No	No	No
Connection via TCP/IP (RS232 Sempal protocol)	Yes ¹	Yes	Yes	Yes	Yes	Yes	No	No	No
Connection via TCP/IP (RS485 Sempal protocol)	No	No	Yes ²	Yes	Yes ²	Yes	No	No	No
Connection via TCP/IP (MBus protocol)	Yes ³	No	No	No	No	No	No	No	No
Connection via ‘MBus Hub’	Yes ³	No	No	No	No	No	No	No	No

¹ – when ordering an RS232 expansion board

² – when specified RS485 in the configuration or RS485 expansion board

³ – when ordering an MBus expansion board

⁴ – connection via Mbus adapter ‘MC-02’

⁵ – connections to the server are made via GPRS in TCP-client mode with a scheduler in the modem. Suitable modems with Telit radio module with Python support. For example: Telit GT-863 PY, Unismart M95T, iRZ TG-21

Connection protocols:

- RS232 – on request
- MBus – <https://sempal.com/support>
- Modbus RTU – <https://sempal.com/support>