

# Modicon® Quantum™ automation platform

## Modbus Plus™ network

### References

#### Modbus Plus bridges and repeaters

Description	Supply	Medium	Number and type of ports	No.	Reference	Weight kg
Bridge/ Multiplexers	115/220 V ~ or 24 V ---	Panel or shelf	2 Modbus Plus 4 RS 232 Modbus	12	NWBM85C002	—
	115/220 V ~	Rack- mount	1 Modbus Plus 4 RS 232 Modbus	—	NWBM85000	—
	24 V --- or 115 V ---	19" rack- mount	2 Modbus Plus 4 RS 232 Modbus	—	NWBM85D008	—
Programmable Bridge/ Multiplexers	115/220 V ~ or 24 V ---	Panel or shelf	2 Modbus Plus 4 RS 232	—	NWBM85S232	—
			2 Modbus Plus 4 RS 485	—	NWBM85S485	—
Gateway/Plus	115/220 V ~ or 24 V ---	Panel or shelf	4 Modbus Plus	33	NWBP85002	—
Modbus Plus repeater		Coaxial cable		13	NWRR85001	—
Point-to-point transceiver		Fiber optic/copper		11	490NRP25300	—
Line/drop transceiver		Fiber optic/fiber optic/copper		10	490NRP25400	—

#### Modbus Plus communication devices (1)

Description	Medium	Type	No.	Reference	Weight kg	
Quantum Modbus Plus	DIO drop adaptor (power supply included)	Single	115/230 ~ 24 ---	5 —	140CRA21110 140CRA21120	— —
		Redundant	115/230 ~ 24 ---	4 —	140CRA21210 140CRA21220	— —
	Quantum CPU DIO head-end 1	Single	—	3	140CPU (2)	—
	DIO head-end interfaces 2 and 3	Single	Twisted pair cable	—	140NOM21100	—
Redundant		Twisted pair cable	1	140NOM21200	—	
Single		Fiber optic cable	2	140NOM25200	—	
Momentum™ Modbus Plus	Communication adaptor	Non- redundant	IEC medium	9	170PNT11020	—
		Network	984 medium	8	170NEF11021	—
		Redundant IEC medium		6	170PNT16020	—
		Network	984 medium	7	170NEF16021	—

#### PC interface cards

Description	Sold in lots of	No.	Reference	Weight kg
Modbus Plus ISA PC adaptor	1	14	AMSA85030	—
	2	—	AMSA85032	—
Modbus Plus PCI PC adaptor	1	15	416NHM30030	—
	2	32	416NHM30032	—
Modbus Plus type II PCMCIA card	1	—	416NHM21230	—
Modbus Plus type III PCMCIA card	1	19	416NHM21233	—
Modbus Plus type III PnP PCMCIA card	1	20	416NHM21234	—

(1) Other devices: TSX Micro™/Premium™ PLCs, Advantys STB distributed I/O, etc. See the appropriate catalog.

(2) See pages 2/9 and 2/19.