


Modicon Momentum automation platform

Communication adapters

Applications	Communication adapters for Ethernet TCP/IP				
					
Bus and network type	Ethernet TCP/IP Transparent Ready Class A10 B20				
Topology <table border="1" data-bbox="363 869 630 1025"> <tr><td>Physical interface</td></tr> <tr><td>Method of access</td></tr> <tr><td>Bit rate</td></tr> </table>	Physical interface	Method of access	Bit rate	IEEE 802.3 standard CSMA-CD 10 Mbit/s 10/100 Mbit/s	
Physical interface					
Method of access					
Bit rate					
Medium <table border="1" data-bbox="363 1059 630 1189"> <tr><td>Type</td></tr> <tr><td>Topology</td></tr> <tr><td>Redundancy</td></tr> </table>	Type	Topology	Redundancy	Twisted pair CAT5 Star No	
Type					
Topology					
Redundancy					
Maximum number of devices	64				
Maximum length	1000 m per segment				
Type of communicating module	170 ENT 110 02	170 ENT 110 01			
Pages	48249/3				

Communication adapters for INTERBUS



Communication adapter for Profibus DP bus




Communication adapter for DeviceNet network



INTERBUS			INTERBUS I/O bus	Profibus DP	DeviceNet
SUPI 3			SUPI 2		
DIN 19 258 standard				EN 50170 standard	–
Master/Slave				Master/Slave	CSMA-CD
500 Kbit/s				12 Mbit/s...9.6 Kbit/s depending on length	500 Kbit/s
Twisted pair	Fiber optic	Twisted pair		Twisted pair	Multidrop
Ring				Multidrop, ring	Multidrop
No				No	No
40 per installation remote bus module (up to 254 bus terminal modules)				32 without repeater 126 with repeaters	64
12800 m				1200 m	500 m with repeaters
170 INT 110 03		170 INT 120 00	170 INT 110 00	170 DNT 110 00	170 LNT 710 00
48230/3				48231/3	48233/3

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Communication adapters

Applications	Communication adapters for Modbus Plus network IEC Data Format 984 Data Format		
			
Bus and network type	Modbus Plus		
Topology Physical interface <hr/> Method of access <hr/> Bit rate	Modbus Plus <hr/> Token bus <hr/> 1 Mbit/s		
Medium Type <hr/> Topology <hr/> Redundancy	Twisted pair <hr/> Multidrop <hr/> No Yes No		
Maximum number of devices Per segment <hr/> Overall	32 <hr/> 64 (without repeaters)		
Maximum length	5 000 m with repeaters		
Type of communicating module	170 PNT 110 20	170 PNT 160 20	170 NEF 110 21
Pages	48232/5		

**Communication adapters for Modbus Plus network
984 Data Format**



**Communication adapters for Fipio bus
for TSX Series 7 and April 5000**



for Premium PLCs



	Fipio	
Modbus Plus	Fip standard	
Token bus	Bus managed by bus arbitrator	
1 Mbit/s	1 Mbit/s	
Twisted pair		
Multidrop		
Yes	No	
32		
64 (without repeaters)		128
5 000 m with repeater		15 000 m with repeaters
170 NEF 160 21	170 FNT 110 00	170 FNT 110 01
48232/5	48236/3	