

Product data sheet

Characteristics

171CBL98090

Unity M1E processor - RS232/485 - Ethernet - USB - I/O bus



Price*: 1460.00 USD



Main

Commercial Status	Commercialised
Range of product	Modicon Momentum automation platform
Product or component type	Processor
Product compatibility	Modicon STB I/O
Integrated connection type	Ethernet USB port

Complementary

Concept	Transparent Ready class B
Web services	Ethernet statistics Home pages CPU status Properties Bandwidth monitoring
Software designation	Unity Pro
Communication service	Modbus TCP I/O Scanner and Messaging Global Data, 1600 I/O message per second Modbus messaging 125 words, 200 I/O message per second
Processor name	Spear 320s
Word length	32 bit
Supply voltage limits	4.75...5.25 V
Clock frequency	333 MHz
Topology	Star Modbus TCP Multidrop Modbus
Communication port protocol	Modbus TCP Ethernet 1 RJ45 10/100 Mbps twisted shielded pairs cable CAT 5E UTP Modbus RS485/RS232 1 RJ45 19200 bps 2-wire
Method of access	Master/Slave Client/Server
Control parameter	CRC-16 for Modbus CRC-32 for Modbus TCP/IP
Addressing	Unique IEEE global address Modbus TCP 1...247 Modbus
Fail state	Safe I/O mode
Memory description	Program memory LL984 3584 kB Program memory IEC 3584 kB
Register words	26048
I/O limit processor capacity	2048 inputs/2048 outputs
Number of devices	32 Modbus
Exact time for 1 K instruction	83 ns

Local signalling	1 LED green status of Ethernet network (ETH STS) 1 LED green data rate (ETH LINK) 1 LED green data rate (ETH 100) 1 LED yellow channel 0 operating (CH0) 1 LED red I/O module fault (I/O) 1 LED red processor or system fault (ERR) 1 LED green processor running (RUN)
Marking	CE
Current consumption	500 mA at 5 V DC
Module format	Standard
Product mounting	35 mm symmetrical DIN rail
Height	2.39 in (60.6 mm)
Width	5.67 in (144 mm)
Depth	2.11 in (53.47 mm)
Product weight	0.36 lb(US) (0.163 kg)

Environment

Material	Lexan
Dielectric strength	5000 V for 1 minute Ethernet 0 V not isolated RS485/RS232
Product certifications	C-Tick FM
Standards	CSA C22.2 No 142 EN/IEC 61131-2 UL 508
IP degree of protection	IP20
Shock resistance	15 gn during 11 ms sinusoidal vibrations
Resistance to electrostatic discharge	8 kV on air conforming to[pace]EN/IEC 61000-4-2 6 kV contact conforming to[pace]IACS E10 6 kV contact conforming to[pace]EN/IEC 61131-2 zone B
Resistance to electromagnetic fields	15 V/m 80...2700 MHz conforming to[pace]EN/IEC 61000-4-3
Ambient air temperature for operation	32...140 °F (0...60 °C)
Ambient air temperature for storage	-40...185 °F (-40...85 °C)
Relative humidity	5...96 %
Operating altitude	<= 6561.68 ft (2000 m)

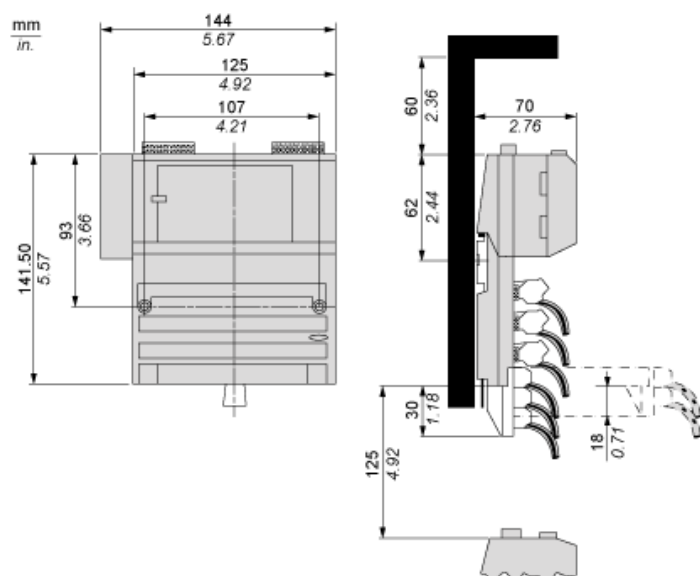
Ordering and shipping details

Category	18206 - MOMENTUM PROCESSORS,I/O BASES,CONN.
Discount Schedule	PC31
GTIN	00785901963912
Nbr. of units in pkg.	1
Returnability	Y
Country of origin	FR

Offer Sustainability

Sustainable offer status	Green Premium product
RoHS (date code: YYWW)	Compliant - since 1328 - Schneider Electric declaration of conformity
REACH	Reference not containing SVHC above the threshold
Product environmental profile	Available Download Product Environmental Profile
Product end of life instructions	Available Download End Of Life Manual

Processor and Option Adapter on a Typical Base



Mounting on a Wall

