Product data sheet
Characteristics

171CBU98091
Unity M1E processor - RS232/485 - Ethernet - USB - I/O bus - global data



Main

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

Complementary

Concept	Transparent Ready class B
Web services	Bandwidth monitoring Properties CPU status Ethernet statistics Home pages
Software designation	Unity Pro
Communication service	Modbus messaging 125 words, 200 I/O message per second Global Data, 2200 I/O message per second Modbus TCP I/O Scanner and Messaging
Processor name	Spear 320s
Word length	32 Bit
Supply voltage limits	4.75…5.25 V
Clock frequency	333 MHz
Topology	Multidrop Modbus Star Modbus TCP
Communication port protocol	Modbus RS485/RS232 - 1 RJ45 19200 bps - 2-wire Modbus TCP ETHERNET - 1 RJ45 10/100 Mbps - twisted shielded pairs cable CAT 5E UTP
Method of access	Client/Server Master/Slave
Control parameter	CRC-32 for Modbus TCP/IP CRC-16 for Modbus
Addressing	1...247 Modbus Unique IEEE global address Modbus TCP
Fail state	Safe I/O mode
Memory description	Program memory IEC 3584 kB Program memory LL984 3584 kB
Register words	26048
I/O limit processor capacity	2048 inputs/2048 outputs
Number of devices	32 Modbus
Exact time for 1 Kinstruction	83 ns

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

Environment

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

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	7.500 Cm
Package 1 Width	11.200 Cm
Package 1 Length	20.500 Cm
Package 1 Weight	240.000 G
Unit Type of Package 2	S03
Number of Units in Package 2	8
Package 2 Height	30.000 Cm
Package 2 Width	30.000 Cm
Package 2 Length	40.000 Cm
Package 2 Weight	2.389 Kg

Offer Sustainability

Mercury free	Yes
Sustainable packaging	No
Packaging made with recycled cardboard	No
Packaging without single use plastic	No
SCIP Number	E618c0ab-f100-4cee-8aef-090f73ce1a54
REACh Regulation	Reference contains Substances of Very High Concern above the threshold
EU RoHS Directive	Compliant By Exemption

California proposition 65	WARNING: This product can expose you to chemicals including: Lead and lead compounds, wh
Take-back	No

Contractual warranty

Warranty (in months)	18

Product Life Status : Commercialised