

# Product Datasheet

## Characteristic

# 140CPU65160S

Unity processor Modicon Quantum -  
1024 kB - 266 MHz



## Main

range of product	Modicon Quantum automation platform
product or component type	Unity safety processor
software designation	Unity Pro XL safety
backup type	lithium battery 990XCP98000

## Complementary

clock frequency	266 MHz
number of slots	10 16 2 3 4 6
number of racks	1 local
number of remote I/O station	31 1 remote
discrete I/O number	unlimited (13 slots max) - local - forbidden in Hot Standby application 31744 inputs, 31744 outputs - remote
analogue I/O number	unlimited (26 slots max) - local - forbidden in Hot Standby application 1984 inputs, 1984 outputs - remote
number of optional modules	6 Ethernet 140NOE77111
maximum number of connections	1 Modbus Plus local 1 Modbus RS232/485 Modbus/ASCII 1 USB local 6 Ethernet TCP/IP local
integrated connection type	1 Ethernet TCP/IP local 1 Modbus local 1 Modbus Plus local 1 USB local
checks	process control
memory description	expandable 7168 kB - program with PCMCIA card expandable 8 MB - file storage with PCMCIA card internal RAM 1024 kB
switch function	key switch memory port on/off
application structure	1 cyclic/periodic master task
execution time per instruction	0.09...0.12 µs on word 0.105...0.15 µs Boolean

	0.96...1.02 $\mu$ s on fixed-point arithmetic
execution time for 1 K instruction	5.03 65 % Boolean and 35 % numerical 5.14 100 % Boolean
system overhead	1.5 ms master task
bus current requirement	2760 mA
supply current	$\leq$ 90 A at $\leq$ 140 °F (60 °C) lithium battery 60 $\mu$ A lithium battery
[Us] rated supply voltage	3 V DC lithium battery
battery capacity	1200 Ah
battery life	10 yr
display type	LCD 2 lines of 16 characters
local signalling	1 LED green Ethernet activity (COM) 1 LED red Ethernet collision (ERR)
electrical connection	1 female connector SUB-D 9 for connecting to the Modbus Plus network 1 female connector USB type B for connecting to PC 2 connectors RJ45 for connecting Modbus bus
marking	CE

## Environment

product certifications	CSA CSA HazLoc C-Tick TÜV Rheinland (SIL2) UL
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## Offer Sustainability

Sustainable offer status	Green Premium product
RoHS (date code: YYWW)	Compliant - since 0951 -
REACH	Reference contains SVHC above the threshold -
Product environmental profile	Available
Product end of life instructions	Available

## Contractual warranty

Warranty period	18 months
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