

## Product data sheet

### Characteristics

# 140CPU67060

Unity Hot Standby processor with multimode  
Ethernet - 512 kB - 266 MHz



### Main

|                           |                                     |
|---------------------------|-------------------------------------|
| Range of product          | Modicon Quantum automation platform |
| Product or component type | Unity processor                     |

### Complementary

|                                   |  |
|-----------------------------------|--|
| Mode of transmission              | Multi mode   |
| Clock frequency                   | 266 MHz  |
| Number of slots                   | 10<br>16<br>2<br>4<br>6  |
| Number of racks                   | 2 - local rack(s)  |
| Number of distributed I/O station | 63 station(s) - 1 rack(s) - 3 Modbus Plus network(s)   |
| Number of remote I/O station      | 0 - 0 S908 remote I/O rack(s)<br>6 - 2 ethernet X80 remote I/O rack(s)<br>0 - 0 ethernet Quantum remote I/O rack(s)  |
| Discrete I/O number               | 0 - local - forbidden in Hot Standby application<br>Up to 6 drops X80 - ethernet remote I/O<br>0 - S908 remote I/O - not configurable<br>8000 inputs, 8000 outputs - distributed - per network Modbus Plus |
| Analogue I/O number               | 0 - local - forbidden in Hot Standby application<br>Up to 6 drops X80 - ethernet remote I/O<br>0 - S908 remote I/O - not configurable<br>500 inputs, 500 outputs - distributed - per network Modbus Plus   |
| Application specific I/O          | Accurate time stamping<br>Counter<br>High-speed interrupt inputs<br>Serial link  |
| Communication service             | Ethernet router  |
| Number of optional modules        | 3 ( Ethernet, Modbus, Modbus Plus, Profibus DP, Sy/Max)  |
| Maximum number of connections     | 3 ( Profibus DP) - local<br>3 ( Modbus Plus) - local<br>3 ( Ethernet TCP/IP) - local<br>1 ( Modbus) - RS232/485 Modbus/ASCII<br>4 ( AS-Interface) - remote<br>2 ( AS-Interface) - distributed<br>1 ( USB)  |
| Integrated connection type        | 1 optic fibre with Hot Standby protocol<br>1 USB with<br>1 Modbus with<br>1 Modbus Plus with   |
| Checks                            | Hot standby<br>Process control   |

|                                |   |
|--------------------------------|---|
| Memory description             | Internal RAM 512 kB - 512 kB for data<br>Expandable 8 MB - file storage with PCMCIA card<br>Expandable 7168 kB - program with PCMCIA card   |
| Switch function                | Key switch memory port on/off   |
| Application structure          | 1 cyclic/periodic master task -<br>4 auxiliary tasks - forbidden in Hot Standby application<br>32 timer interrupt tasks - forbidden in Hot Standby application<br>128 interrupt tasks - forbidden in Hot Standby application<br>128 I/O interrupt tasks - forbidden in Hot Standby application<br>1 periodic fast task - forbidden in Hot Standby application |
| Execution time per instruction | 0.4...0.5 $\mu$ s floating points<br>0.0525...0.075 $\mu$ s Boolean<br>0.045...0.06 $\mu$ s on word<br>0.045...0.06 $\mu$ s on fixed-point arithmetic   |
| Number of instructions per ms  | 20 Kinst/ms if 100 % Boolean<br>15 Kinst/ms if 65 % Boolean and 35 % numerical  |
| System overhead                | 1 ms - master task<br>0.2 ms - fast task  |
| Bus current requirement        | 2500 mA   |
| Local signalling               | 1 LED red for Ethernet collision<br>1 LED green for Ethernet activity (COM)   |
| Electrical connection          | 1 connector, connector type: MT-RJ (multimode fiber optic) for interconnecting primary and secondary PLCs up to 4 km<br>1 connector, connector type: RJ45 for connecting Modbus bus<br>1 female connector, connector type: SUB-D 9 for connecting to the Modbus Plus network  |

## Environment

|                        |  |
|------------------------|--|
| Product certifications | CE<br>CSA<br>GOST<br>UL<br>Misc (Marine) |
| Standards              | HazLoc                                   |

## Offer Sustainability

|                                  |   |
|----------------------------------|---|
| Sustainable offer status         | Green Premium product   |
| RoHS (date code: YYWW)           | Compliant - since 1111 - <a href="#">Schneider Electric declaration of conformity</a> |
| REACH                            | Reference not containing SVHC above the threshold                                     |
| Product environmental profile    | Available   |
| Product end of life instructions | Need no specific recycling operations   |

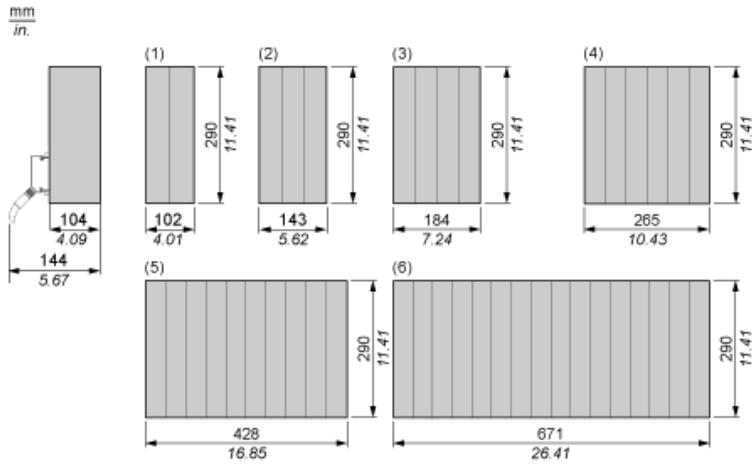
# Product data sheet

## Dimensions Drawings

# 140CPU67060

### Racks for Modules Mounting

### Dimensions of Modules and Racks



- (1) 2 slots
- (2) 3 slots
- (3) 4 slots
- (4) 6 slots
- (5) 10 slots
- (6) 16 slots

# CONTACT US & SUPPORT

NEED A QUOTE OR TECHNICAL PARTS REPLACEMENT?

**Company:** [PLC ProTech Ltd.](#)  
**Website:** [www.plcprotech.com](http://www.plcprotech.com)  
**Email:** [sales@plcprotech.com](mailto:sales@plcprotech.com)  
**Phone:** +86 180 4631 7198

## Our Service Guarantee:

- 100% Brand New Original & Factory Sealed Components
- 12-Month Quality Warranty on All Industrial Parts
- Worldwide Same-Day Fast Dispatch via DHL / FedEx

[SUBMIT ONLINE RFQ \(REQUEST FOR QUOTE\) >>](#)

[About Us](#) · [Contact](#) · [All Products](#)