## Characteristics

### Main

<table>
<thead>
<tr>
<th>Description</th>
<th>Specifications</th>
</tr>
</thead>
<tbody>
<tr>
<td>Range of product</td>
<td>Modicon Quantum automation platform</td>
</tr>
<tr>
<td>Product or component type</td>
<td>Unity processor</td>
</tr>
</tbody>
</table>

### Complementary

<table>
<thead>
<tr>
<th>Description</th>
<th>Specifications</th>
</tr>
</thead>
<tbody>
<tr>
<td>Clock frequency</td>
<td>266 MHz</td>
</tr>
<tr>
<td>Number of slots</td>
<td>10, 16, 2, 4, 6</td>
</tr>
<tr>
<td>Number of racks</td>
<td>2 - local rack(s)</td>
</tr>
<tr>
<td>Number of distributed I/O station</td>
<td>63 station(s) - 1 rack(s) - 1 Modbus Plus network(s)</td>
</tr>
<tr>
<td>Number of remote I/O station</td>
<td>31 - 2 S908 remote I/O rack(s) - 31 - 2 ethernet Quantum remote I/O rack(s) - 31 - 2 ethernet X80 remote I/O rack(s)</td>
</tr>
<tr>
<td>Discrete I/O number</td>
<td>Unlimited (31 drops of 28 slots max) - ethernet remote I/O 31744 inputs, 31744 outputs - S908 remote I/O 8000 inputs, 8000 outputs - distributed - per network Modbus Plus Unlimited (26 slots max) - local</td>
</tr>
<tr>
<td>Analogue I/O number</td>
<td>Unlimited (26 slots max) - local Unlimited (31 drops of 28 slots max) - ethernet remote I/O 500 inputs, 500 outputs - distributed - per network Modbus Plus 1984 inputs, 1984 outputs - remote</td>
</tr>
<tr>
<td>Application specific I/O</td>
<td>Accurate time stamping Counter High-speed interrupt inputs Serial link</td>
</tr>
<tr>
<td>Communication service</td>
<td>Ethernet router</td>
</tr>
<tr>
<td>Number of optional modules</td>
<td>6 ( Ethernet, Modbus, Modbus Plus, Profibus DP, Sy/Max)</td>
</tr>
<tr>
<td>Maximum number of connections</td>
<td>1 ( USB) - 2 ( AS-Interface) - distributed 4 ( AS-Interface) - remote</td>
</tr>
</tbody>
</table>
6 (Ethernet TCP/IP) - local
6 (Modbus Plus) - local
6 (ProfiBus DP) - local
1 (Modbus) - RS232/485 Modbus/ASCII

Integrated connection type
1 Modbus Plus with
1 Ethernet TCP/IP with
1 Modbus with
1 USB with

Checks
Process control

Memory description
Internal RAM 11264 kB - program and data
Expandable 8 MB - file storage with PCMCIA card

Switch function
Key switch memory port on/off

Application structure
1 cyclic/periodic master task -
1 periodic fast task -
128 I/O interrupt tasks -
128 interrupt tasks -
32 timer interrupt tasks -
4 auxiliary tasks -

Number of instructions per ms
10.28 Kinst/ms if 100 % Boolean
10.07 Kinst/ms if 65 % Boolean and 35 % numerical

System overhead
1 ms - master task
0.2 ms - fast task

Bus current requirement
2760 mA

Local signalling
1 LED green Ethernet activity (COM)
1 LED red Ethernet collision

Electrical connection
1 connector, connector type: RJ45 for connecting Ethernet network
1 connector, connector type: RJ45 for connecting Modbus bus
1 female connector, connector type: SUB-D 9 for connecting to the Modbus Plus network

Environment
Protective treatment
Conformal coating Humiseal 1A33

Product certifications
CE
CSA
GOST
UL
Misc (Marine)

Standards
HazLoc

Ordering and shipping details
Category
18150 - QUANTUM CONTROLLERS,HSBY,COMM.
Discount Schedule
PC21
GTIN
00785901784531
Nbr. of units in pkg.
1
Package weight(Lbs)
3.1600000000000001
Returnability
N
Country of origin
FR

Offer Sustainability
Sustainable offer status
Green Premium product
RoHS (date code: YYWW)
Compliant - since 1625 - Schneider Electric declaration of conformity
REACH
Reference not containing SVHC above the threshold
Product environmental profile
Available
Product end of life instructions
Available
California proposition 65
WARNING: This product can expose you to chemicals including:
- - - - - - - Substance 1
Lead and lead compounds which is known to the State of California to cause cancer and birth defects or other reproductive harm.
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