### Main

<table>
<thead>
<tr>
<th>Characteristic</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Range of product</td>
<td>Magelis iPC</td>
</tr>
<tr>
<td>Product or component type</td>
<td>Modular box PC</td>
</tr>
<tr>
<td>Device short name</td>
<td>Modular BOX PC Universal</td>
</tr>
<tr>
<td>Processor name</td>
<td>Intel Celeron 2980U 1.6 GHz</td>
</tr>
<tr>
<td>Chipset type</td>
<td>Intel QM87</td>
</tr>
<tr>
<td>Free slots</td>
<td>1 CFast, 1 mSATA, 2 Internal SATA HDD/SSD with slide-in HMIYMADSDD1 to mount. hot swap RAID with Intel Rapid Storage Technology</td>
</tr>
<tr>
<td>Video controller type</td>
<td>Intel HD Graphics</td>
</tr>
<tr>
<td>Software package</td>
<td>EcoStruxure secure connect advisor annual subscription cyber security license not included EcoStruxure operator terminal expert run time HMI license not included EcoStruxure machine SCADA expert run time HMI/SCADA on configured offer only EcoStruxure augmented operator advisor server augmented operator license not included Node-RED and system nodes restore IIoT Wiring Operating System Restore McAfee white listing Installer cyber security license not included</td>
</tr>
</tbody>
</table>

### Complementary

<table>
<thead>
<tr>
<th>Characteristic</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Range compatibility</td>
<td>IDisplay, Modular Display HMIDM</td>
</tr>
<tr>
<td>Accessory / separate part destination</td>
<td>PC panel on HMIDM modular display</td>
</tr>
<tr>
<td>Mounting location</td>
<td>Wall mounting, Book mounting, Flat mounting</td>
</tr>
<tr>
<td>Memory description</td>
<td>Internal 512 kB MRAM, Internal 8 GB RAM DDR3 not expandable</td>
</tr>
<tr>
<td>Number of slots</td>
<td>1 PCI, 1 PCI express 4x, 2 mini PCI Express full-size</td>
</tr>
<tr>
<td>Display resolution</td>
<td>3200 x 2000 pixels at 60 Hz</td>
</tr>
<tr>
<td>Watchdog timer</td>
<td>1...255 ms</td>
</tr>
<tr>
<td>Type of cooling</td>
<td>Fanless, Fan required to mount PCI/PCIe cards above 3 W</td>
</tr>
<tr>
<td>Electrical connection</td>
<td>Connector SMA for 3 on top, Screw connector pin for 1 way ground on bottom</td>
</tr>
<tr>
<td>Integrated connection type</td>
<td>Display port with 1 on bottom</td>
</tr>
</tbody>
</table>

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications.
Display port with 1 on front
COM1 serial link for battery backup with 1 male SUB-D 9 RS232/422/485 on bottom
USB 2.0 port with 2 USB type A, transmission rate: 480 Mbit/s on bottom
USB 3.0 port with 2 USB type A, transmission rate: 5 Gbit/s on bottom
Ethernet with 2 RJ45 I210, supporting IEEE1588, transmission rate: 10/100/1000 Mbps on bottom
TPM connector Ver 1.2 for cyber security - hardware encryption TPM module HMIYMINATPM201 to be installed/default installed on mother board

[Us] rated supply voltage
24 V DC power supply

Supply voltage limits
18...36 V

Inrush current
8.9 A

Power consumption in W
35 W box
39 W with 4:3 12" Display HMIDM6421
37 W with Wide 12" Display HMIDM6521
40 W with 4:3 15" Display HMIDM7421
41 W with Wide 15" Display HMIDM7521
43 W with Wide 19" Display HMIDM9521
45 W with Wide 22" Display HMIDMA521

Control type
ON/OFF button

Depth
103.2 mm

Height
207 mm

Width
254 mm

Product weight
3.9 kg

Impregnation material
Conformal coated

Main type
Universal

Number of slots available for expansion
1 PCI
1 PCI express 4x
2 mini PCIe

Environment

Standards
EN 61131-2
EN 55011 class A group 1
EN 61000-6-4
FCC Part 15
UL 61010

Product certifications
CCC
EAC
ATEX
RCM
IEC Ex hazardous locations 3GD zone 2/22
CUlus
CE
CUlus CSA 22-2 No 142
CUlus HazLoc Class I Division 2 ANSI/ISA 12-12-01
CUlus HazLoc Class I Division 2 CSA 22-2 No 213

Quality labels
CE

Directives
2004/108/EC - electromagnetic compatibility
2006/95/EC - low voltage directive

IP degree of protection
IP40 conforming to IEC 60529

Electromagnetic compatibility
Conducted and radiated emissions class A EN 55022
Immunity to high frequency interference IEC 61000-4
Disturbing field emission class A EN 55011

Ambient air temperature for storage
-30...70 °C conforming to IEC 60068-2-2
-30...70 °C conforming to IEC 60068-2-14

Relative humidity
10...95 % non-condensing conforming to EN/IEC 60664-2-30

Ambient air temperature for operation
0...55 °C (by default) conforming to EN/IEC 60068-2-2
0...50 °C flat mounting
0...45 °C on PCI/PCIe HMIDM modular display with HDD
0...40 °C flat mounting on HDD
0...40 °C flat mounting on mini PCIe
0...40 °C flat mounting on PCI/PCIe
0...45 °C conforming to 2 on mini PCIe HMIDM modular display

Operating altitude
2000 m conforming to IEC 60664-1

Vibration resistance
1 gn 5...500 Hz HDD
**Offer Sustainability**

<table>
<thead>
<tr>
<th>RoHS (date code: YYWW)</th>
<th>Compliant - since 1604 - Schneider Electric declaration of conformity</th>
</tr>
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<tbody>
<tr>
<td></td>
<td>Schneider Electric declaration of conformity</td>
</tr>
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</table>
Dimensions

(1) Rear view
(2) Left view
Spacing Requirements

1: Air out
2: Air in
(1) Book mounting: Vertical mounting with rear fixing
(2) Wall mounting: Vertical mounting with side fixing
(3) Horizontal mounting