Product datasheet
Characteristics

HMIBMUSI29D2801
Modular Box PC HMIBM Universal SSD DC Windows 10 2 slots

Main

Range of product	Magelis iPC
Product or component type	Modular box PC
Device short name	Modular BOX PC Universal
Chipset type	Intel QM87
Free slots	1 CFast 1 mSATA 2 Internal SATA HDD/SSD with slide-in HMIYMADSDD1 to mount . hot swap RAID with Intel Rapid Storage Technology
Video controller type	Intel HD Graphics
Operating system	Windows 10 IoT Enterprise 64 bit (switched from Windows 8.1 in Q1 2018) multi-language
Software package	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

Complementary

Range compatibility	IDisplay Modular Display HMIDM
Accessory / separate part destination	PC panel on HMIDM modular display
Mounting location	Wall mounting Book mounting Flat mounting
Data storage equipment	128 GB Flash disk SSD TLC for 1500000 h
Memory description	Internal 512 kB MRAM Internal 512 kB MRAM Internal 4 GB RAM DDR3 not expandable
Display resolution	3200 x 2000 pixels at 60 Hz
Watchdog timer	1...255 ms
Type of cooling	Fanless Fan required to mount PCI/PCIe cards above 3 W
Electrical connection	Screw connector pin for 1 ground on bottom Connector SMA for 3 on top
Integrated connection type	Display port with 1 on bottom 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 TPM (Trusted Platform Module version 1.2) for cyber security - hardware encryption with 1 pin header TPM module (optional) on mother board Ethernet with 2 RJ45 I210, supporting IEEE1588, transmission rate: 10/100/1000 Mbps on bottom
[Us] rated supply voltage	24 V DC power supply 100...240 V AC power supply with additional adaptor HMIYMMAC1
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	65.2 mm
Height	207 mm
Width	254 mm
Product weight	3.1 kg
Main type	Universal
Number of slots available for expansion	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	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
	CCC
	EAC
	ATEX
	RCM
	IEC Ex hazardous locations 3GD zone 2/22
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 60068-2-30
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
	2 gn 5...500 Hz SSD or CFast

## Offer Sustainability

Sustainable offer status	Not Green Premium product
RoHS (date code: YYWW)	Compliant - since 1604 - Schneider Electric declaration of conformity

Dimensions
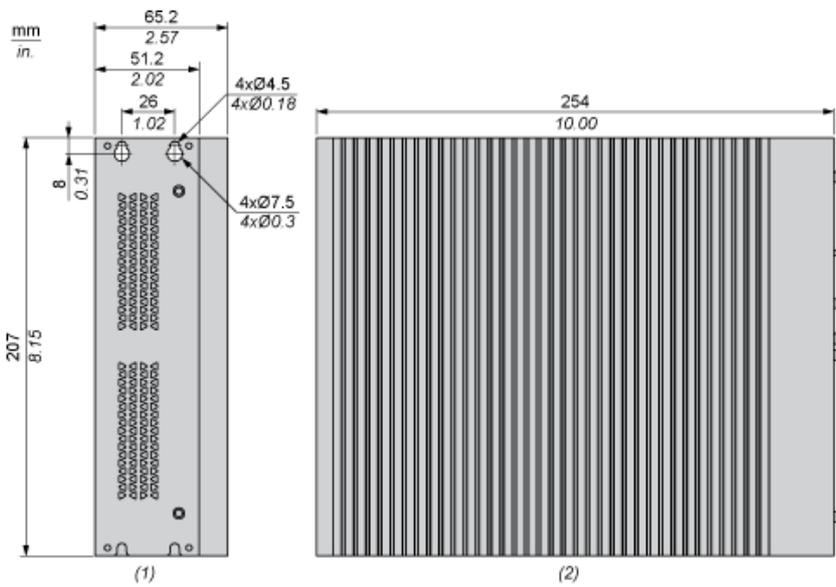
(1) Rear view

(2) Left view

Spacing Requirements
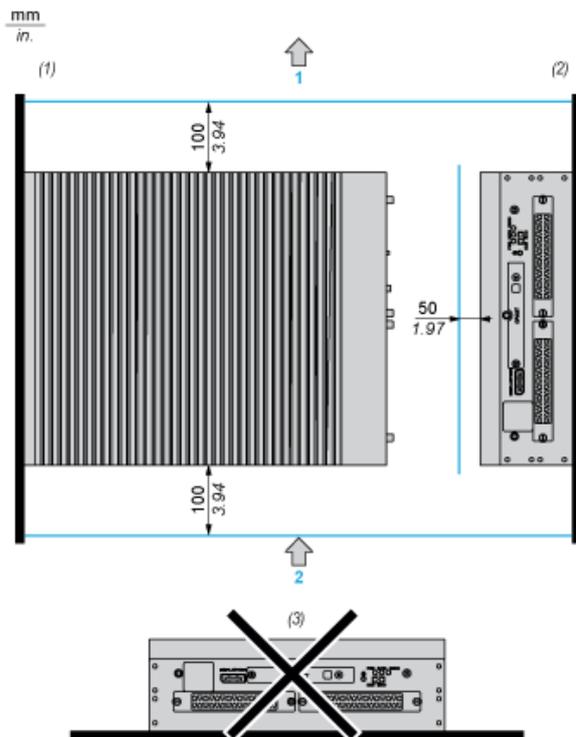
1 : Air out

2 : Air in

(1) Book mounting : Vertical mounting with rear fixing

(2) Wall mounting : Vertical mounting with side fixing

(3) Horizontal mounting