

IBMH100

Intel® Atom® E3845 M Series Box PC



CE

FCC

KEY FEATURES

- Auto detection of the connected display, No settings necessary
- Quick & Easy Replaceable Hard Disk Design, No Tools needed
- Support wide range 12-24V DC input embedded single board computer
- Optional with Modular front Display as a Panel PC
- Internal 64G mSATA SSD, Removable 1 Bay 2.5" SSD Slot

INTRODUCTION

Winmate M Series Box PC is a reliable and versatile embedded computing solution for Industrial IoT, robotics, and automation applications. Powered by Intel® or optional ARM processors, it delivers stable performance for multitasking in demanding environments. Supporting Windows® IoT Enterprise, it meets the needs of Industry 4.0 applications. Designed with fanless, efficient heat dissipation, and optional 6 Giga LAN ports, it ensures quiet, dust-resistant operation, making it ideal for factory automation, smart retail, and IoT integration.

SPECIFICATIONS

System Specification

Processor	Intel Atom E3845 1.91GHz	Memory	2 x SO-DIMM, DDR3L 1600 MHz, 4GB (Default) 8GB (Optional)
Storage	1 x mSATA 128GB (Default) 1 x 2.5" 128GB SSD up to 512GB (Optional)	Ethernet controller	2 x Intel® Ethernet Controller
Security	TPM 1.2	Operating System	Windows 7 Embedded Systems (Optional) Windows 10 IoT Enterprise (64 bit) (Optional)
WLAN	Support (Optional)	BT	Support (Optional)
Expansion Port	Modular Design for easy service in the field		

Mechanical

Dimension	276 x 207 x 45.2 mm	Weight	2.4 kg
Mounting	Desk Mount	Enclosure	Metal Housing
Cooling System	Fanless design		

Environment

Operating Humidity	10% to 90% RH, Non-Condensing	Operating Temperature	0°C to 50°C
Storage Temperature	-10°C to 60°C		

Certification

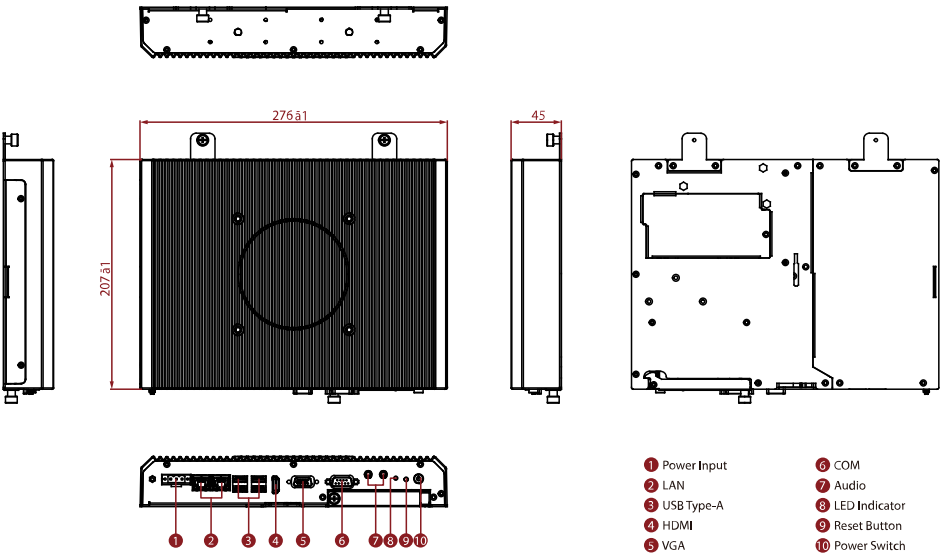
Certification	CE, FCC
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IO Ports

Power Input	1 x 12~24V DC, 3-Pin Terminal Block	USB Port	4 x USB2.0 (Type-A)
Serial Port	1 x RS232/422/485 (Default RS232)	Video	1 x HDMI 1.4 (Optional)

Audio	Line in Line out	Expansion Port	1 x VGA (Optional) 1 x mPCIe slot(for half size Wifi module) Swappable 2.5" HDD/SSD Bay Slot
LAN	2 x Giga LAN RJ45 Connector	Indicator	1 x LED Indicator for storage
mini PCIe	1 x Mini PCIe(For WLAN)		
Control			
Button	1 x Power Button with LED Indicator 1 x Reset Button		
Accessory			
Accessory	100~240V AC to DC Adapter Power Cord Open Wire Cable with terminal block connector VESA screws		
Power			
Power Rating	12V~24V DC with protection fuse	Adapter	12V 80W
Consumption	30W~40W		

DIMENSIONS UNIT:MM



NOTE

1. This is a simplified drawing and some components are not marked in detail.
2. Please contact our sales representative if you need further product information.
3. All specifications are subject to change without prior notice.
4. The product shown in this datasheet is a standard model. For diagrams that contain customized or optional I/O, please contact the Winmate Sales Team for more information.