



IBMH100 Intel(R) Atom(R) E3845 M Series Box PC

Manufacturer part number: IBMH100 | Box PC / Waterproof Rugged PC IP65



Explore Winmate IBMH100, an industrial embedded board featuring Intel(R) Atom(R) E3845 for OEM equipment design and embedded control.

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(R) 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 deg C to 50 deg C
Storage Temperature	-10 deg C to 60 deg C
Certification	
Certification	CE, FCC
IO Ports	
USB Port	4 x USB2.0 (Type-A)
Serial Port	1 x RS232/422/485 (Default RS232)
LAN	2 x Giga LAN RJ45 Connector
Video	1 x HDMI 1.4 (Optional), 1 x VGA (Optional)
Audio	Line in, Line out

Expansion Port	1 x mPCIe slot(for half size Wifi module), Swappable 2.5" HDD/SSD Bay Slot
Indicator	1 x LED Indicator for storage
mini PCIe	1 x Mini PCIE(For WLAN)
Power Input	1 x 12~24V DC, 3-Pin Terminal Block
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