

ITMH100-6L

Intel® Core™ i5-1135G7 M Series Box PC



CE

FCC

KEY FEATURES

- Intel® Tiger Lake UP3 Core™ i5-1135G7 processor, rugged Box PC
- Support LAN port x6
- Multi Video Output, HDMI/Display Port
- Quick & Easy Replaceable Hard Disk Design, No Tools required
- Support wide range 9-29V DC input

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

WLAN	Support (Optional)	BT	Support (Optional)
Expansion Port	Modular Design for easy service in the field	Processor	Intel Core i5-1135G7 2.4GHz (up to 4.2GHz)
Memory	2x 4GB (Default) 8GB (Optional) 16GB (Optional) 32GB (Optional)	Storage	1 x M.2 2280 NVMe SSD, 128GB up to 512GB (Default) 2 x 2.5" Removable 256GB SSD up to 512GB (Optional)
Ethernet controller	Intel® Ethernet Controller I211-AT + Intel® Ethernet Connection I219-LM	Security	Trusted Platform Module (TPM) 2.0
Operating System	Windows 11 IoT Enterprise (64 bit) (Optional) Windows 11 Pro 64 bit (Optional) Linux Ubuntu 22.04(Do not support Wake on Touch) (Optional)		

Mechanical

Dimension	276 x 207 x 60 mm	Weight	3.2 kg
Mounting	VESA 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 9~29V DC, 3-Pin Terminal Block	USB Port	4 x USB 3.2 Gen.1 (Type-A)
Serial Port	2 x RS232/422/485 (Default RS232)	Video	1 x DP1.4 (Default) 1 x HDMI 2.0 (Optional)
Audio	1 x Audio Combo Connector (Mic in / Line Out)	Expansion Port	1 x mPCIe slot 1 x PCIe x16 slot (x4 signal)(module max size:180x121mm) 1 x M.2 2230 Key E slot for WiFi 1 x M.2 2280 Key M slot for NVMe SSD 1 x Capture Card for HDMI input or CVBS input Swappable 2.5" HDD/SSD Bay Slot
LAN	6 x Giga LAN RJ45 Connector	Indicator	1 x LED Indicator for storage

Control

Button	1 x Power Button with LED Indicator 1 x Reset Button
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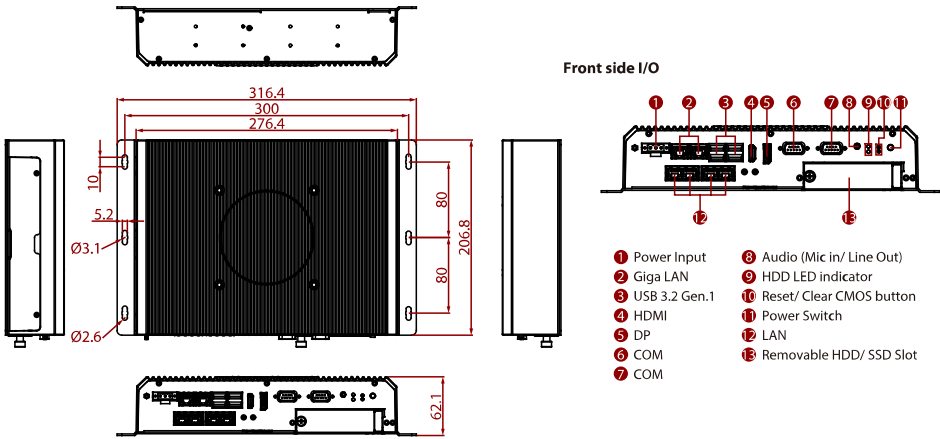
Accessory

Accessory	100~240V AC to DC Adapter Power Cord Open Wire Cable with terminal block connector VESA screws
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Power

Power Rating	9V~29V DC with protection fuse	Adapter	12V 84W
Consumption	45W~55W		

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.