R15ITWS-MHC3

15" Intel® Core™ i5-1135G7 M Series HMI Panel PC

Logicbus

KEY FEATURES

- Intel® 11th Generation Tiger Lake UP3 Core™ i5 CPU
- Signature true flat display screen with edge-to-edge design
- Aluminum, anti-corrosion treated housing
- Superior sealing with front IP65 protection against dust and water
- Projected Capacitive Multi-Touch Screen (PCAP)
- Fanless Design
- Support wide range 9-29 V DC input
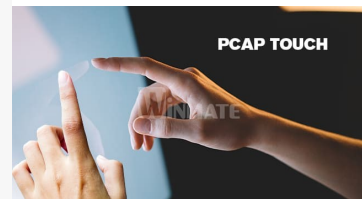- One Quick & Easy Removable 2.5" SSD Bay Slot

CE FC

OVERVIEW

Modular Design

The M-Series HMI is designed with flexible modularity in mind. The HMI is made of two interchangeable parts, the Box PC and the Display. By having a simple board to board a docking connector that connects these two modules, users can easily change the display size or box pc depending on their needs.

P-Cap Multi-Touch Screen (Durable & User-Friendly)

These technologies support simultaneous touch, which is very user-friendly. Withal touch screen installed behind glass cover or vandal resistant glass is resistant to scratches, damages, and cleaning fluids.

Service-Friendly Access

Upgrade the memory, change the hard disk, or access the PCIe Module. The M-Series HMI contains an easy access service window for a versatile and cost-effective solution for always changing industrial needs.

Front IP65 (Outer Dust and Water Splash Resistant)

Winmate M-Series HMI support IP65 sealing on the front side. Devices are protected from possible damages caused by direct snow, rain, dust, dirt, and grime. This feature makes it suitable for outdoor kiosks applications.

True Flat (Easy-to-clean)

Winmate M-Series HMI‘s true flat surface is more than just a stylish and elegant appearance. It is easy to maintain and clean. No more clogged dust on edges.

SPECIFICATIONS

Display

Resolution	1024x768	**Size**	15.0 inches
Contrast Ratio	2000:1	**Panel Brightness**	300.0 nits

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View Angles	88,88,88,88	**Active Area**	304.1x228.1 mm
Touch / Glass	Projected Capacitive Multi Touch Screen		

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	2 x SO-DIMM, DDR4 3200 MHz, 4GB 8GB (Optional) 16GB (Optional) 32GB (Optional)	**Storage**	1 x M.2 2280 NVMe SSD, 128GB up to 512GB 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	367 x 291 x 91 mm	**Weight**	6.6kg
Mounting	Panel mount VESA Mount	**Enclosure**	Metal Housing
Cooling System	Fanless design	**Cut out**	342 x 261 mm

Environment

Operating Humidity	10% to 90% RH, Non-Condensing	**Operating Temperature**	0°C to 50°C
Storage Temperature	-10°C to 60°C	**IP rating**	Front IP65

Certification

Certification	CE, FCC

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 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 Swappable 2.5" HDD/SSD Bay Slot
LAN	2 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

Accessory

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

Power

Power Rating	9V~29V DC with protection fuse	**Adapter**	12V 120W
Consumption	45W~55W		

DIMENSIONS UNIT:MM

❶	Removable HDD/ SSD Slot	❼	DP
❷	Reset Button	❽	HDMI
❸	LED Indicators	❾	USB Type-A
❹	HDD Indicators	❿	LAN
❺	Audio	⓫	Power Input
❻	COM	⓬	PCIe Slot Cover

Cutout: 342*261mm
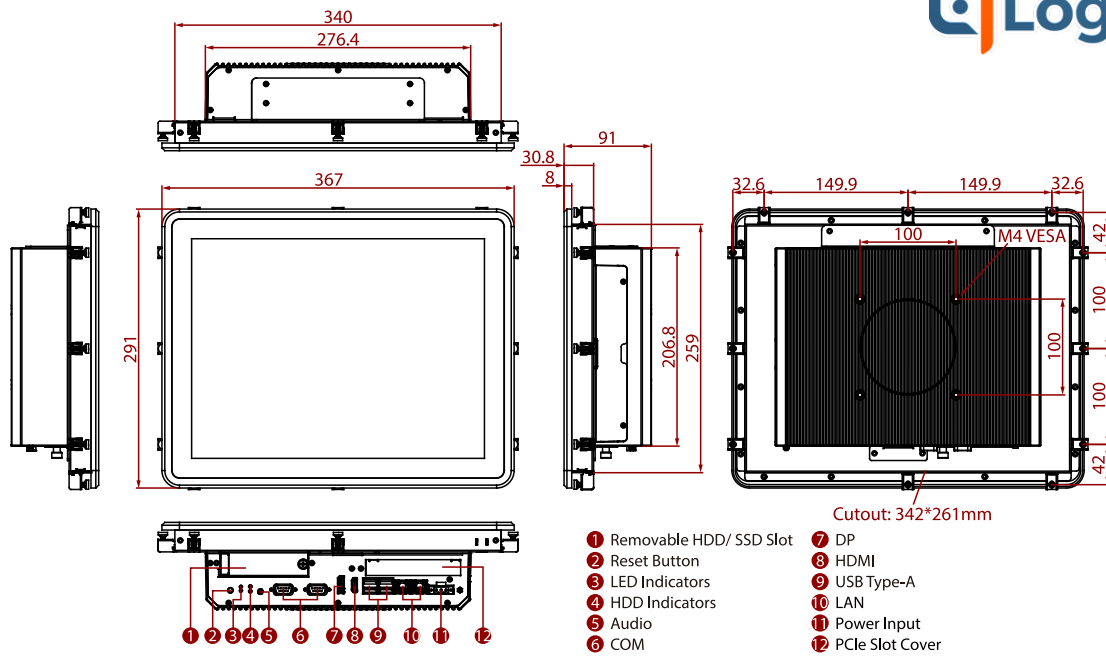
NOTE

1. This is a simplified drawing and some components are not marked in detail.
2. 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.
3. All specifications are subject to change without prior notice.

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