W24IT7T-PTA2-ME

23.8" Intel® Core™ i5-1135G7 Healthcare Panel PC

KEY FEATURES

- Intel® Core™ i51135G7 2.4 GHz (turbo to 4.2GHz) Processor
- Projected Capacitive Multitouch
- Fanless cooling system and ultralow power consumption
- Front IP65 for protection against water and dust
- A true flat, easytoclean front surface with edgetoedge design
- Housing with antimicrobial properties

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OVERVIEW

Housing Enhanced with Antimicrobial Properties

Winmate's Healthcare Panel PCs are enhanced with antibacterial features, effectively minimizing bacterial growth while showcasing impressive resistance to diverse cleaning chemicals. Furthermore, Winmate’s Healthcare Panel PC waterproof design empowers users to confidently clean the surface using wipes, sprays, or liquids without any worry of impacting the internal components.

Energy Efficient with Intel® Processors

Winmate’s Healthcare Panel PCs adopt Intel® Processors to provide high computing performance while maintaining energy efficiency. Engineered with Windows IoT operating system, they offer seamless software integration and unlock an array of customization possibilities.

True Flat Design (Easy Cleanability)

Winmate’s Healthcare Panel PCs signature true flat surface design not only adds a stylish and elegant aesthetie, but also makes it an ideal choice for healthcare settings. It is easy to maintain, clean, preventing the accumulation of dust along the edges.

Healthcare Panel PCs with Fanless Performance

Winmate's Healthcare Panel PCs excel in delivering robust and reliable high-performance computing, tailored to meet the unique demands of the healthcare industry. Winmate Healthcare Panel PCs fanless thermal system is an ideal match for healthcare settings, ensuring silent, efficient operation while maintaining a hygienic and sterile environment.

Front IP65 Waterproof and Dustproof

Winmate Healthcare Panel PCs are designed to meet the demands of the healthcare industry. Featuring a front IP65 waterproof and dustproof seal, these devices are shielded against potential damage from dust and water splashes, ensuring their longevity in healthcare environments. The glass cover further enhances protection by preventing scratches, making it a reliable choice for healthcare professionals in need of durable and resilient technology.
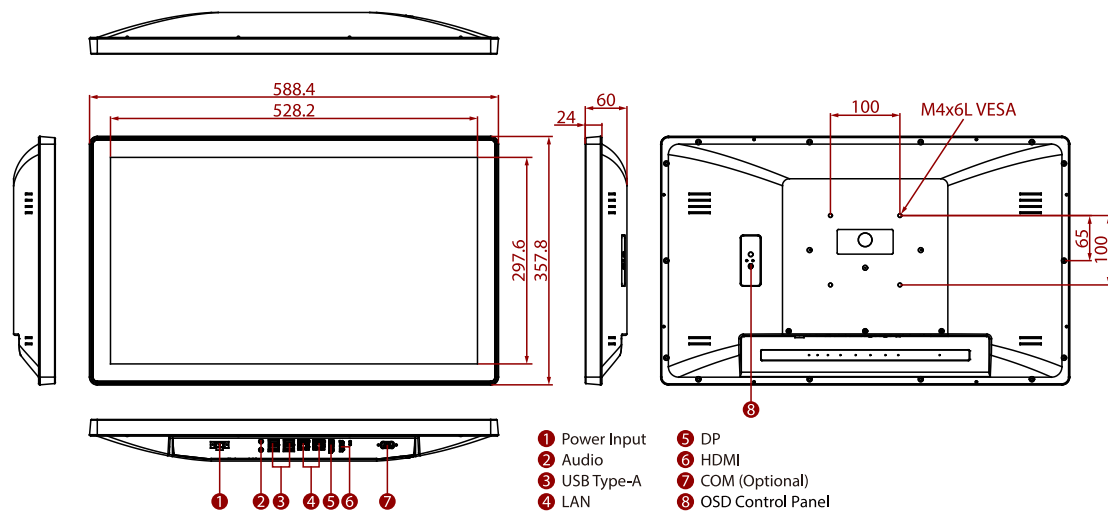
SPECIFICATIONS

Display

Resolution	1920x1080	**Size**	23.8 inches
Contrast Ratio	3000:1	**Panel Brightness**	250.0 nits

WINMATE

View Angles	89,89,89,89	**Active Area**	527.04x296.46 mm
Touch / Glass	Projected Capacitive Multi Touch Screen (AG)		

System Specification

WLAN	Support (Optional)	**BT**	Support (Optional)
Processor	Intel Core i5-1135G7 2.4GHz (up to 4.2GHz)	**Memory**	1 x SO-DIMM, DDR4 3200 MHz, 4GB 8GB (Optional) 16GB (Optional) 32GB (Optional) 2 x SO-DIMM, DDR4 3200 MHz, 4GB (Optional) 8GB (Optional) 16GB (Optional) 32GB (Optional) 64GB (Optional)
Storage	1 x M.2 M-Key 2280 NVMe SSD 128GB 256GB (Optional) 512GB (Optional) 1TB (Optional) 2TB (Optional) 1 x SATA III for 2.5" SSD/HDD up to 2TB (Optional)	**Ethernet controller**	2 x Intel® Ethernet Controller
Security	TPM 2.0	**Operating System**	*Note：Only Windows 11 support Wake on touch Windows 11 IoT Enterprise LTSC(64 bit) (Optional) Windows 10 IoT Enterprise LTSC(64 bit) (Optional) Linux Ubuntu 22.04 (Optional)

Mechanical

Dimension	588 x 358 x 60 mm	**Mounting**	VESA Mount
Enclosure	Plastic	**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	**IP rating**	Front IP65

Certification

Certification	IEC/EN 60601-1 IEC 60601-1-2:2014/AMD:2020 IEC60601-1-6 +IEC62366 EN 60601-1-2:2015/A1:2021 EN55032/35, FCC Part15B, ICE-003 ISO14971 RoHS-2, REACH, WEEE compliant

IO Ports

USB Port	4 x USB3.2 Gen2x1 (Type-A)	**Serial Port**	1 x Isolation RS232 (Optional)
Video	1 x DP1.4 1 x HDMI 2.0 (Optional)	**Audio**	1 x Mic in 1 x Line out 2 x Speaker
Expansion Port	1 x M.2 2242/2280 Key M slot for SATA/NVMe SSD 1 x M.2 2230 Key E slot for WLAN (Optional)	**LAN**	1 x Giga LAN RJ45 Connector 1 x 2.5 Giga LAN RJ45 Connector
Indicator	1 x LED Indicator for power 1 x LED Indicator for storage		

Control

Button	1 x Power Button 1 x Reset Button

Accessory

Accessory	100~240V AC to DC Adapter Power Cord VESA screws

Power

Power Rating	24V DC in with Termial block	**Adapter**	24V 150W
Consumption	Max: 60W		

DIMENSIONS　UNIT:MM

588.4
528.2
24
60
297.6
357.8
100 M4x6L VESA
65
100

❶ Power Input ❺ DP
❷ Audio ❻ HDMI
❸ USB Type-A ❼ COM (Optional)
❹ LAN ❽ OSD Control Panel

❶ ❷❸ ❹❺❻ ❼

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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.