



WLPM-H22



Durable Strong Power Industrial Solutions

Key Features

- ✓ Powered by Intel® 12th / 13th / 14th Gen Core™ Processors (65W) for superior performance.
- ✓ 21.5" Full HD LCD Panel with full flat resistive or projected capacitive touch options for versatility.
- ✓ IP66 front panel mount housing providing dust and water resistance for rugged environments.
- ✓ Dual-channel DDR5 memory, expandable up to 96GB for fast data processing.
- ✓ Multiple I/O ports including USB, COM, LAN, HDMI, and audio for extensive connectivity.

Key Benefits



Modular Design for Scalability

Flexible modular platform for easy maintenance and reconfiguration in scalable IIoT environments.



High Performance

Powered by Intel® Core™ processors, with fast data transfer and reliability.



Rugged Durability

With an IP66 front panel, smart thermal management, and fanless design, it offers water, dust resistance, and reliable performance in harsh environments.



Our Commitment

- RoHS Compliance
- REACH Compliance
- Green Manufacturing



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Specification

Product	WLPM-H22 MBKFT	WLPM-H22 MBKPT
CPU / Chipset	Intel® 12 th / 13 th / 14 th Gen Core™ Processors, 65W / Intel® W680	
Graphic	Intel® UHD Graphics	
Memory	Dual Channel DDR5 4800/5600 MHz ,up to 96GB (48GB per DIMM)	
TPM	TPM2.0	
OS Support	Optional Windows 10 (2019-LTSC) (64bit), Windows 11 (64bit)	
Size	21.5" 16:9	
Resolution (pixel)	1920 x 1080 (Full HD)	
Number of Colors	16.7M colors	
View Angle (H/V)	178(H) / 178(V)	
Brightness(cd/m², nit)	250 nits	
Contrast Ratio	1000:1 (Typ)	
Type	Full flat resistive touch panel	Full flat projected capacitive touch panel
Light Transmission	80 ± 5%	>=86%
Hardness	>=3H	>=7H
Lifetime	35M times	100M times
Storage	1 x M.2 (Key M, 2242/2280) with PCIe Gen4 x4 for SSD, 1 x M.2 (Key M, 2242) with PCIe Gen3 x4 and SATA3 for SSD	
Expansion	1 x M.2 (Key B, 3042/3052) with PCIe x1, USB3.2 Gen I, USB2.0 and SIM for 4G/5G 1 x M.2 (Key E, 2230) with PCIe x1, USB2.0 and CNVi for Wireless 1X PCIe x 16 expansion slot	
USB	2 x USB 2.0, 4 x USB 3.2 Gen II	
COM	2 x RS-232/422/485 (COM1, COM2), 1 x RS-232 (COM3)	
LAN	1 x RJ-45 2.5 Gbps, 1 x RJ-45 1.0 Gbps (Support Vpro)	
HDMI	1 x DP 1.4a++ ; 1 x HDMI 2.0b ,1 x HDMI 1.4b	
Audio	2 x 3.5mm phone jack connector (Line-out, Mic-in)	
Control Keys	Rear bottom: Power on /off	
Power input	ATX PWR (24+8-pin)	
Power adapter	Internal, 400 watts, AC input 115 ~230V, 47~63 Hz	
Temperature	Operating Temperature: 0~50°C (IEC60068-2-56, air flow cooling) Storage Temperature: -20~60°C	
Humidity	Operating & Storage: 10 ~ 90%, non-condensing	
IP / IK Level	IP66 at front, IK05	
Housing	Front bezel is Aluminum, others are SECC with black coating	
Dimensions (Net: mm)	TBD	
Weights (Net: kg))	TBD kg	
Mounting	Panel mount / VESA (75x75)	
Certification	FCC-B, CE (EMC), VCCI, ICES-003	