

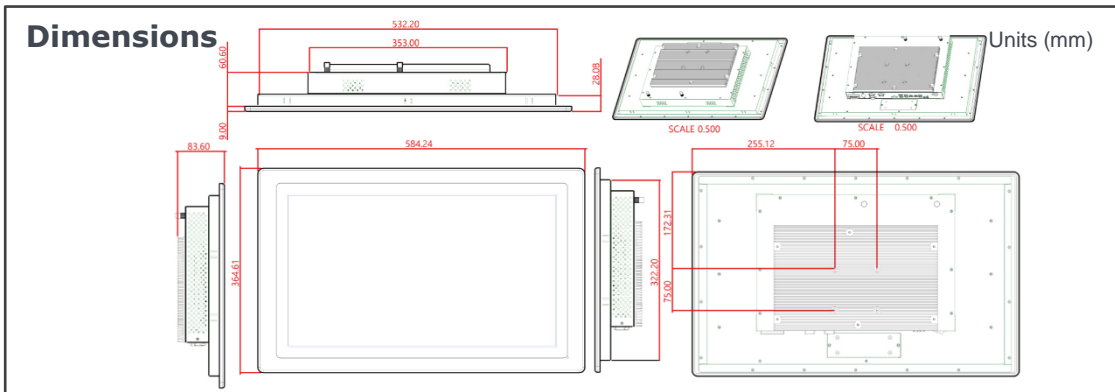


Features

- Intel® Alder Lake-P MCP Processors, 15W
- 21.5" 1000nits Sunlight Readable LCD
- Full Flat Res. or P-Cap Touch
- Fanless Solution
- IP66 Front Panel Mount Housing
- Wide Range DC Input
- Up to 3 Extended Displays
- Wide Temp. -20~60°C Operation Capability
- CE, FCC, VCCI Class B Passed

Specification

Product		WLP-7H20-22H MBKFT	WLP-7H20-22H MBKPT
Main System	CPU	Intel® 12th Gen Alder Lake-P MCP Processors, 15W	
	Graphic	Intel® Gen 12 Graphics	
	Memory	Dual Channel DDR4 3200 MHz ,2 x 260 SO-DIMM, up to 64GB (32GB per DIMM)	
	TPM	TPM2.0 (On Board IC)	
	OS Support	Win 10 / Win 11 (Option)	
Display	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/m ² , nit)	1000 nits	
	Contrast Ratio	1000:1	
Touch Panel	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 & Expansion	Storage	1 x 2.5" SATA HDD drive bay (with anti-vibration mechanism) 1 x M.2 (KEY M, 2242/2260/2280) with PCIe Gen4 x4 for SSD	
	Expansion	1 x M.2 (Key B, 3042/3052) with PCIe x1, USB3.2, USB2.0 and SIM for 4G/5G 1x SIM socket connected to M.2 key B 1 x M.2 (Key E, 2230) with PCIe, USB2.0 and CNVi for Wireless	
I/O Ports	USB	2 x USB 2.0, 2 x USB 3.2 Gen2, 2 x USB 3.2 Gen2 Type-C (Support DP1.4a display output, power output 5V/3A)	
	COM	2 x RS-232/422/485(COM1, COM2), 1 x RS-232(COM3)	
	LAN	2 x RJ-45 2.5 Gbps	
	Video	2 x HDMI 2.0b (DP & HDMI ports, total can support up to 3 screens)	
	Audio	2 x 3.5mm phone jack connector (Line-out, Mic-in)	
	Control Keys	Rear bottom: Power on /off	
Power	Power input	DC12~28V input	
	Power adapter	External, 150 watts, universal 100 ~240V AC in, 19V DC out, 7.89A (PSU with PSE)	
Environmental	Temperature	Operating Temperature: 19V DC Input -20~60°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	
Mechanical Characteristics	Housing	Front bezel is Aluminum, others are SECC with black coating	
	Dimensions (Net: mm)	TBD	
	Weights (Net: kg)	TBD kg	
	Mounting	Panel mount / VESA (75 x 75)	
Certification	FCC-B, CE (EMC), VCCI, ICES-003		



Major Options	
Options	<ol style="list-style-type: none"> 1. Wireless and BT kit (2 ant) 2. Projected capacitive touch screen 3. Stainless front bezel 4. Sliver front bezel 5. Windows 10(2019-LTSC) (64bit) 6. M.2 NVMe SSD 7. 1 x USB 2.0(By Cable) 8. Chassis type housing 9. 2 x 2.5" SSD for Raid 0,1 10. Windows 11 (64bit)
Customization	<ol style="list-style-type: none"> 1. WDT AP/API 2. Intel i3-1215UE, DC, 3.3GHz 3. Intel i7-1265UE, DC, 3.5GHz 4. Open frame housing 5. Sunlight Readable by 1000 nits LCD + Optical Bonding (Impact protection level: IK08) 6. Storage door Solution 7. 5G Module

Order Information

Item	Touch	Description
WLP-7H20-22H (MBKFT)	Full Flat Resistive Touch	22" i5-1245UE 3.3GHz,4GRAM,128G SSD Panel mount
WLP-7H20-22H (MBKPT)	Full Flat Pcap Touch	22" i5-1245UE 3.3GHz,4GRAM,128G SSD Panel mount

I.O.(STD)

