



Features

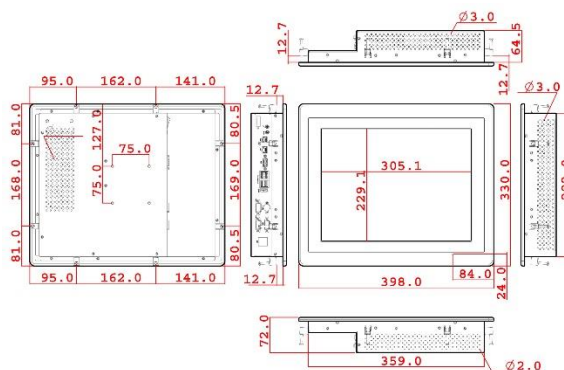
- Intel® Elkhart Lake J6412 CPU
- 15" 1024x768 LCD 350nits
- Full Res or P-Cap Touch with Front IP66
- Low Power Fanless Solution
- Front Panel Mount Housing
- Wide Range DC Input
- CE, FCC, VCCI Class B Passed
- Optional WLAN with External Antenna
- Adjust Brightness Function

Specification

Product		WLP-7J20-15 MBKFT	WLP-7J20-15 MBKPT
Main System	CPU	Intel® Elkhart Lake SoC CPU J6412, QC, 2.60-2.0GHz, 10W	
	Graphic	Intel® Gen 11 Graphics	
	Memory	Dual channel support 3200MHz DDR4 SODIMM socketx2, up to 32GB	
	OS Support	Windows 10 (64bit), Windows 11 (64bit)	
Display	Size	15", 4:3	
	Resolution (pixel)	1024 x 768 (XGA)	
	Number of Colors	16.2M colors	
	View Angle (H/V)	160(H) / 150(V)	
	Brightness(cd/m², nit)	350 nits	
	Contrast Ratio	800:1 (Typ)	
Touch Panel	Type	Full flat resistive touch panel	Full flat p-cap 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 SATA3 and PCIeX1 for SSD	
	Expansion	1 x PCIe x1(Gen 3) 1 x M.2 (Key E, 2230) with PCIe x1 and shared USB2.0 for Wireless 1 X M.2 (Key B, 3042/3052) with PCIeX1/USB2.0/USB3.2 and SIM for 4G/5G 1 x SIM socket connected to M.2 key B	
I/O Ports	USB	2 x USB3.2(Gen 1), 2 x USB2.0	
	COM	1 x RS-232, 2 x RS-232/422/485	
	LAN	1 x RJ-45 1 Gbps, 1 x RJ45 2.5 Gbps	
	Audio / Video	2 x 3.5mm phone jack connector(Line-out, Mic-in) 1 x HDMI 2.0b, 1 x VGA	
	Control Keys	Rear bottom: Power on /off	
Power	Power input	DC12~28V input	
	Power adapter	External, 60 watts, 100 ~240V AC in, 19V DC out (PSU with PSE)	
Environmental	Temperature	Operating Temperature: 0~50℃ by SSD (IEC60068-2-56) 0~45℃ by HDD (IEC60068-2-56) Storage Temperature: -20~65℃	
	Humidity	Operating & Storage: 10 ~ 90%, non-condensing	
	Water/Dust resistance	IP66 at front	
Mechanical Characteristics	Housing	Front bezel is Aluminum, others are SECC with black coating	
	Dimensions (Net: mm)	313 (H) x 240 (V) x 48.5 (T)	
	Weights (Net: kg))	TBD kg	
	Mounting	Panel mount, Optional Open frame / Chassis, VESA (75x75)	
Certification	CE/ FCC/ VCCI Class B		

Dimensions

Units (mm)



Major Options

Major Options	
Add On Parts	1. Wireless and BT kit 2. 2.5" SSD 3. Stainless steel front bezel 4. Silver front bezel 5. USB 2.0 x 2 6. Windows 10 (64bit), Windows 11 (64bit)
Add On Cable	1.DC input cable
Customization	1. Open frame housing or Chassis type housing 2. Sunlight Readable by 1000 nits LCD + Optical Bonding (Impact protection level: IK08) 3. M.2 SSD 4. Storage door Solution 5. 5G Module 6. TPM 2.0

Order Information

Item	Touch	Description
WLP-7J20-15 (MBKFT)	Full Flat Resistive Touch	15" J6412 2.6GHz/4G RAM/ 512G SSD/Panel Mount
WLP-7J20-15 (MBKPT)	Full Flat Pcap Touch	15" J6412 2.6GHz/4G RAM/ 512G SSD/Panel Mount

I.O.(STD)



- | | | | | | |
|---|--------------------|---|----------|----|--------------|
| 1 | RS-232/422/485 x 2 | 5 | USB x 4 | 9 | Microphone |
| 2 | RS-232 x 1 | 6 | VGA x 1 | 10 | Power on/off |
| 3 | DC-in x 1 | 7 | LAN x 2 | | |
| 4 | HDMI x 1 | 8 | Line-out | | |

