

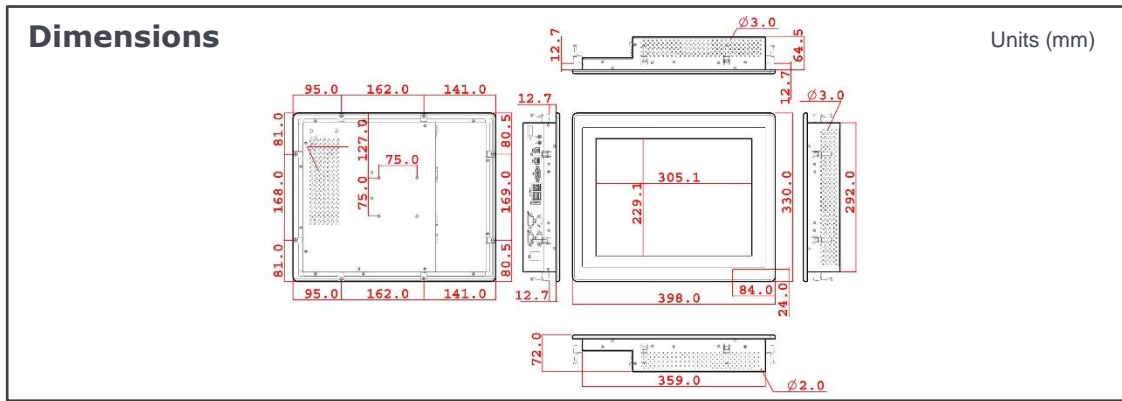


### Features

- Intel® Elkhart Lake Soc Processors x6413E
- 15" 1000nits Sunlight Readable LCD
- Low Power Fanless Thermal Solution
- Panel Mounted w/Full Flat Resistive or P-Cap Touch
- Wide Temp. -20~60°C Operation Capability
- CE, FCC, VCCI Class B Certified
- Full Flat Design Easy Clean & IP66 Front
- Wide Range DC Input
- Optional WLAN with External Antenna

### Specification

Product		WLP-7J20-15H MBKFT	WLP-7J20-15H MBKPT
Main System	CPU	Intel® Elkhart Lake SoC Processors x6413E, 4C, 1.5 GHz (Burst Frequency is 3GHz), 9W	
	Graphic	Intel Gen 11 Graphics Engines	
	Memory	Dual channel support 3200MHz DDR4 SODIMM socket x 2, up to 32GB	
	TPM	TPM2.0 (On Board IC)	
	OS Support	Windows 10 (64bit), Windows 11 (64bit)	
Display	Size	15", 4:3	
	Resolution (pixel)	1024 x 768 (XGA)	
	Number of Colors	16.7M colors	
	View Angle (H/V)	160(H) / 160(V)	
	Brightness(cd/m <sup>2</sup> ,	1000 nits	
	Contrast Ratio	700:1	
Touch Panel	Type	Full flat resistive touch screen	Full flat p-cap touch screen
	Light Transmission	80 ± 5%	>=86%
	Hardness	>=3H	>=7H
	Lifetime	35M times	Knock 100M times
Storage & Expansion	Storage	1 x 2.5" SATA SSD drive bay (with anti-vibration mechanism)	
	Expansion	1 x M.2(Key E, 2230) with PCIe x1 and shared USB2.0 for Wireless x1	
I/O Ports	USB	3 x USB3.2 (Gen 2), 1 x USB2.0	
	COM	2 x RS232 (COM1 disable 5V/12V selection, COM3) 1 x RS232/422/485 (COM2)	
	LAN	2 x Gigabit LAN	
	Audio / Video	1 x 3.5mm phone jack connector (supports Line-out by default, converts to Mic in or Line in) 1 x HDMI 1.4b, 1 x DP1.2	
	Control Keys	Rear bottom: Power on /off	
Power	Power input	DC12V, DC-In connector x 1 (Jack with locker)	
	Power adapter	External, AC 100 ~ 240V / 47 ~ 63 Hz / DC output 12V	
Environmental	Temperature	Operating Temperature: 12V DC Input -20~60°C by SSD (IEC60068-2-56, air flow cooling) Storage Temperature: -20~65°C	
	Humidity	Operating & Storage: 10 ~ 90%, non-condensing	
	Water/Dust	IP66 at front	
Mechanical Characteristics	Housing	Front bezel is Aluminum, others are SECC with black coating	
	Dimensions (Net:)	398 (H) x 330 (V) x 72 (T)	
	Weights (Net: kg)	6.4 kg	
	Mounting	Panel mount / VESA (75x75)	
Certification	FCC-B, CE (EMC), VCCI		



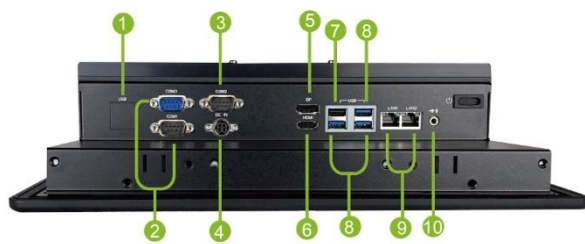
### Major Options

Options	<ol style="list-style-type: none"> <li>1. Wireless and BT kit (2 ant)</li> <li>2. Projected capacitive touch screen</li> <li>3. Stainless front bezel</li> <li>4. Sliver front bezel</li> <li>5. USB2.0 x 2</li> </ol>
Customization	<ol style="list-style-type: none"> <li>1. Storage door Solution</li> <li>2. Chassis type housing</li> <li>3. Open Frame housing</li> <li>4. Sunlight readable by 1000 nit LCD + optical bonding (Impact protection level: IK08)</li> <li>5. M.2 5G module</li> </ol>

## Order Information

Item	Touch	Description
WLP-7J20-15H (MBKFT)	Full Flat Resistive Touch	15" x6413E 1.5GHz/ 4G RAM/ 128G SSD/ Panel Mount
WLP-7J20-15H (MBKPT)	Full Flat Pcap Touch	15" x6413E 1.5GHz/ 4G RAM/ 128G SSD/ Panel Mount

## I.O.(STD)



- 1 2 x USB 2.0 (Option)
- 2 2 x RS-232
- 3 1 x RS-232/422/485
- 4 1 x DC-in
- 5 1 x DP 1.2
- 6 1 x HDMI
- 7 1 x USB 2.0
- 8 3 x USB 3.2 Gen2
- 9 2 x LAN
- 10 1 x phone jack connector

