

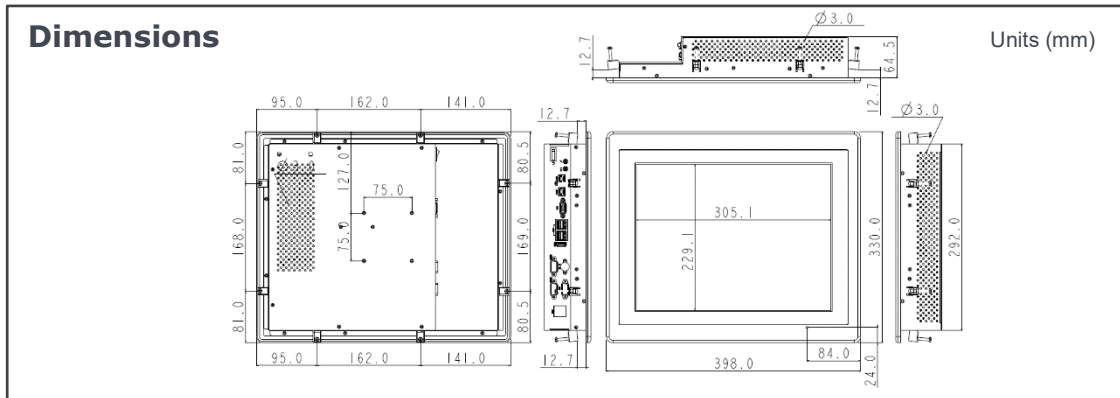


## Specification

## Features

- Intel® Apollo Lake J3455 1.5 Ghz
- 15" 1024x768 LCD
- Low Power Fanless Thermal Solution
- Panel Mounted W/ Full Flat Resistive or P-Cap Touch
- CE, FCC, VCCI Class B Certified
- Full Flat Design Easy Clean & IP66 Front
- Wide Range DC Input
- Optional WLAN with External Antenna

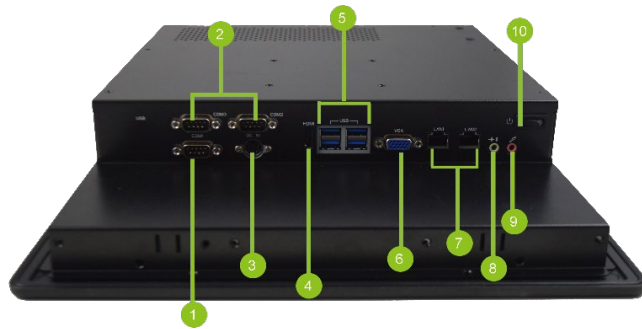
Product	WLP-7E20-15 MBKFT		WLP-7E20-15 MBKPT	
Main System	CPU	Intel® Apollo Lake Celeron J3455 Processor 1.5 Ghz, 10W		
	Graphic	Intel® integrated HD 500 Graphics		
	Memory	Dual Channel Support 1867MHz DDR3L SODIMM X2, up to 8GB		
	OS Support	Win 10 (64 bit)		
Display	Size	15", 4:3		
	Resolution (pixel)	1024 x 768 (XGA)		
	Number of Colors	16.2M colors		
	View Angle (H/V)	160(H) / 160(V)		
	Brightness(cd/m <sup>2</sup> , nit)	350 nits		
	Contrast Ratio	800:1 (Typ)		
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	2.5" SATA HDD up to 500GB w/Anti-Vibration Kit, Optional M.2 (KEY M, 2242/2260) SSD X 1		
	Expansion	M.2 (KEY E, 2230) PCIe x 1 (Shared USB 2.0 x 1), Mini PCIe x 1(Shared USB 2.0 x 1)		
I/O Ports	USB	USB 3.0 x 4		
	COM	RS-232 x 2, RS-232/422/485 x 1		
	LAN	RJ-45 x 2		
	Audio / Video	3.5mm phone jack x 2 (Line-out, Mic-in) / HDMI 1.4b (output) X 1, VGA X 1		
	Control Keys	Rear bottom: Power on /off		
Power	Power input	DC-in x 1 (Jack with locker), DC19 ~ 24V		
	Power adapter	60 Watts, 100 ~240V AC in, 19V DC out, 3.15A (PSU with PSE)		
Environmental	Temperature	Operating Temperature: 19V DC Input 0~50°C (air flow cooling) Storage Temperature: -20~65°C		
	Humidity	Operating & Storage: 10 ~ 90%, non-condensing		
	IP / IK resistance	IP66 at front, IK05		
Mechanical Characteristics	Housing	Front bezel is Aluminum, others are SECC with black coating		
	Dimensions (Net: mm)	398 (H) x 330 (V) x 58 (T)		
	Weights (Net: kg)	6.4 kg		
	Mounting	Panel mount, VESA (75x75)		
Certification	CE / VCCI / FCC Class B, Canada ICES-003			



Major Options	
Add On Parts	<ol style="list-style-type: none"> <li>1. Wireless and BT kit ,</li> <li>2. Stainless front bezel,</li> <li>3. Silver front bezel,</li> <li>4. USB 2.0 x 2,</li> <li>5. 2.5" SSD</li> <li>6. TPM 2.0</li> </ol>
Add On Cable	1. Maximum length is 7.2 meters by 3x2m DC cables
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 SSD</li> <li>6. 2nd HDD for RAID 0,1</li> </ol>

## Order Information

Item	Touch	Description
WLP-7E20-15 (MBKFT)	Full Flat Resis.touch	15" Celeron J3455/ DDR4 4G RAM/ 500G HDD
WLP-7E20-15 (MBKPT)	Full Flat P-cap. touch	15" Celeron J3455/ DDR4 4G RAM/ 500G HDD



- ① RS232/422/485 x 1
- ② RS-232 x 2
- ③ DC-in x 1
- ④ HDMI x 1
- ⑤ USB 3.0 x 4
- ⑥ VGA x 1
- ⑦ LAN x 2
- ⑧ Line-out
- ⑨ Microphone
- ⑩ Power on/off

