



# WPC-789-PSI

# Medical Grade Edge Server PC



## Features

- Intel 12th generation Alder lake S Core i CPU
- 4 x 288-pin ECC/non-ECC Long-DIMM DDR4 3200 MHz, up to 128GB (32GB per DIMM)
- Supports M.2 M.Key PCIe Gen 4 X 4 SSD (Support NVMe SSD)
- 3 display support via the rear I/O panel including HDMI & DP & VGA
- Onboard 2.5GbE LAN delivering faster Ethernet \*3
- Low noise Smart fan solution

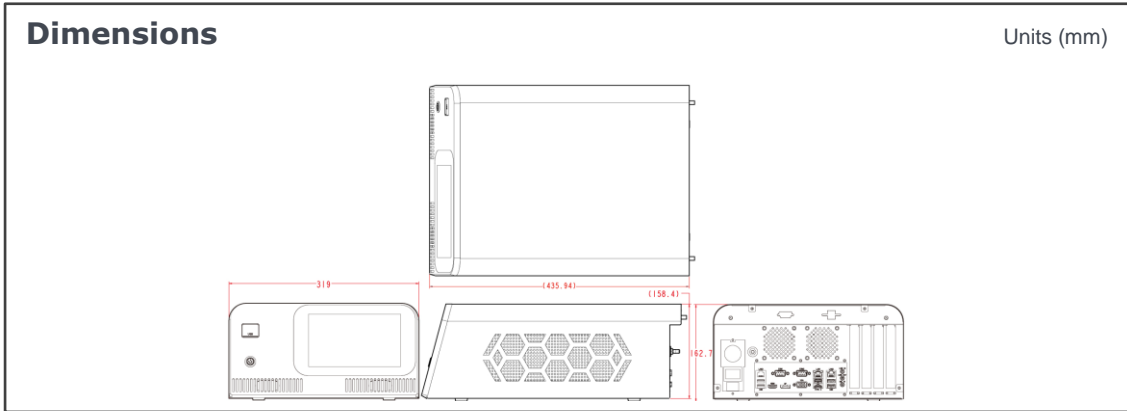


## Specification

Product		WPC-789-PSI
Main System	CPU / Chipset	Intel® 12 <sup>th</sup> Generation Intel® Core i9/i7/i5 Processor, 65W Max. Intel® W680 Express Chipset
	Graphic	Intel® UHD Graphics 770
	RAM	Four 3200 MHz DDR4 Long-DIMM socket support dual Channel, ECC/non-ECC, up to 128GB
	Front Panel	7", 800 x 480, 16.2M colors , 178(H) / 178(V), 400 nits (Typ. Center point), CR:1000 : 1 (Typ)
	Front Touch	Full flat projective capacitive touch panel / Light Transmission: >= 84% / Hardness: 7H pencil, pressure 765g/45°
	TPM	TPM 2.0 On Board
	OS Support	Windows 10 (2021-LTSC) (64bit), Windows 11 (64bit)
I/O Ports	USB	Front: 2 x USB 3.2 Gen1 (W/Cover) Rear: 5 x USB 3.2 Gen2, 1 x USB 3.2 Gen2 (20G) Type C
	COM	Rear: 2 x RS232/RS422/RS485
	Video output	Rear: 1 x DP1.4a, 1 x HDMI 2.0, 1 x VGA
	Audio	Rear: 3.5mm phone jack (Line-in, Line-out, Mic-in)
	LAN	Rear: 3 x RJ-45 (Intel® I225LM supports AMT/Vpro)
	Power Switch	Power On / Off, Remote Power button (Phoenix 4 Pin connector or DB 9 Female)
Storage & Expansion	Storage	1 x M.2 (Key M, up to 25110) w/PClex4 Gen4 for SSD up to 1TB; 1 x M.2 (Key M, 2242/2260/2280) w/PClex4 Gen3 for SSD up to 1TB; 1 x 2.5" 7mm SATA3 SSD, up to 2TB
	Expansion slot	1 x M.2 (Key E, 2230) for Wireless, 1 x M.2 (Key B, 3042/3052), 1 x SIM socket connect to M.2 Key B 2 x PCIe Gen4 Slots (PCIe1/PCIe3: single at x16(PCIe1), dual at x8 (PCIe1) / x8 (PCIe3)) / (PCIe1: Support riser card x8/x8, PClex4 (Gen4)* x 2)
Power	Power input	ATX PWR (24+8-pin)
	Power adapter	AC input 100 ~240V / 47 ~ 63 Hz / 900W
	Power consumption	TBD
Environmental	Temperature	Operating Temperature 0~40°C Storage Temperature -20~60°C
	Humidity	Operating & Storage: 20 ~ 90%, non-condensing
	Shock/Vibration /Drop	Shock Operation 15g/ 0.53 oz, 11 ms, half sine wave Vibration Operation 5 ~ 17 Hz, Amplitude : 0.2" 17 ~ 500Hz, Acceleration : 1.0G Drop Operation Free fall: 3 feet, 1 corner, 3 edges, 6 faces
	Cooling	Smart Fan, Noise less than 30dB at 25°C (ambient temp.)
Mechanical Characteristics	Housing	SECC with hospital white painting
	Dimensions / Weights	319 X 158.4 X 435.94 (mm) / TBD
Certification	CE: EN 60601-1-2 (V4.1), EN 60601-1 (V3.2, by project) VCCI: 2016-11, Class B (PSU with PSE) FCC: Part 18 Class B UL: ANSI/AAMI ES60601-1:2012 (V3.2) by project cUL: CAN/CSA-C22.2 No. 60601-1:2014 (V3.2) by project ISO 14971 by project	

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Major Options	
Options	<ol style="list-style-type: none"> <li>1. Wifi 6/7</li> <li>2. 2.5" SSD module</li> <li>3. Windows 10/11 IoT Enterprise LTSC</li> <li>4. 7" 800*480 LCD</li> <li>5. 7" PCAP touch</li> <li>6. Equipotential terminal pin</li> <li>7. RTX-A6000 Ada/ A4000 Ada / A2000 Ada</li> <li>8. Remote power button</li> </ol>
Customizations	NA

## Order Information

Item	Cooling	Description
WPC-789-PSI	Smart Fan	Core i7-12700E 4.8Ghz, DDR4 16G RAM, M.2 256G SSD / Vpro
WPC-789-PSI	Smart Fan	Core i5-12500E 4.5Ghz, DDR4 16G RAM, M.2 256G SSD / Vpro
WPC-789-PSI	Smart Fan	Core i9-12900E 5.0Ghz, DDR4 16G RAM, M.2 256G SSD / Vpro

## Rear I.O.

