

# The4thware Industrial Computer

12<sup>th</sup>/13<sup>th</sup> Generation Intel Core Series Platform

T4WP-WEBS45J3



## PRODUCT SPECIFICATION

Specification	
M/B	WADE-8213
CPU	12th/13th Gen Intel <sup>®</sup> Core <sup>™</sup> Processors in LGA1700 package (35W TDP)
BIOS	AMI uEFI BIOS
Memory	Up to 64GB DDR5 4800 on two SO-DIMM sockets
Storage	2x SATAIII ports
Watchdog Timer	Programmable watchdog timer
H/W Status Monitor	System monitor (Voltage and Temperature)
Expansion	<ul style="list-style-type: none"> <li>- 2x PCIe x16 slots (PCIe x8 Signal) (Gen 3)</li> <li>- 1x M.2 E Key 2230 with PCIe x1, CNVI for Wireless</li> <li>- 1x M.2 M Key 2242/2260/2280 with PCIe x4 and SATA3 for SSD</li> </ul>
Serial Port	4x COM ports (1x RS-232/422/485)
Display	<ul style="list-style-type: none"> <li>- 3x DP, resolution up to 8K</li> <li>- 1x HDMI</li> </ul>
USB	<ul style="list-style-type: none"> <li>- 3x USB 3.2 Gen 2 (2x Type A+ 1x Type C)</li> <li>- 3x USB 3.2 Gen 1</li> <li>- 6x USB 2.0</li> </ul>
Audio	Audio Jack with Line-out / Line-in with Realtek ALC897 Audio controller
Ethernet	<ul style="list-style-type: none"> <li>- Intel<sup>®</sup> I210AT(1GbE) and Intel<sup>®</sup> I225LM(2.5GbE) Ethernet controller</li> <li>- 2x RJ45 connectors</li> </ul>
GPIO	1x Programmable 8-bit Digital I/O
Other	<ul style="list-style-type: none"> <li>- 2x Antenna holes for Wi-Fi module</li> <li>- 1x EXT Power Switch</li> </ul>
Power Input	DC 12V ~ 36V with 3-pin Terminal Block Connector

## PRODUCT SPECIFICATION

Operation Temperature	-20°C ~ 60°C
Storage Temperature	-40°C ~ 80°C
Relative Humidity	40°C, 95%RH non-condensing
Operation Vibration	1Grms/10-500Hz, IEC 60068-2-6
Operation Shock	50G, 11 msec, IEC 60068-2-27
Dimension	253 (W) x 201(D) x 150 (H) mm
Weight	7 Kg
Mounting	Wall mounting