

# The4thware Industrial Computer

10<sup>th</sup> Generation Intel Core Series Platform

T4WP-WEBS45H3



## PRODUCT SPECIFICATION

| Specification      |                                                                                                                                                                                                                                                                                                                          |
|--------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| M/B                | WADE-8212                                                                                                                                                                                                                                                                                                                |
| CPU                | 10th Gen Intel® Core™ Processors CPU in LGA1200 package (35 W TDP)                                                                                                                                                                                                                                                       |
| BIOS               | AMI UEFI BIOS                                                                                                                                                                                                                                                                                                            |
| Memory             | Up to 64GB DDR4 2400/2666 Non-ECC SDRAM on two SO-DIMM sockets                                                                                                                                                                                                                                                           |
| Storage            | 2x 2.5" SSD slots                                                                                                                                                                                                                                                                                                        |
| Watchdog Timer     | Programmable by embedded controller                                                                                                                                                                                                                                                                                      |
| TPM                | TPM 2.0                                                                                                                                                                                                                                                                                                                  |
| H/W Status Monitor | System monitor (Voltage, Fan Speed and Temperature)                                                                                                                                                                                                                                                                      |
| Expansion          | <ul style="list-style-type: none"> <li>- 2x PCIe x16 slots (PCIe x8 Signal)</li> <li>- 1x M.2 E Key 2230 with PCIe x1, CNVI and USB2.0 for Wireless</li> <li>- 1x M.2 M Key 2242/2260/2280 with PCIe x4 and SATA3 for SSD</li> <li>- 1x M.2 B Key 3042/3052 with USB 3.0 Signal</li> <li>- 1x SIM Card socket</li> </ul> |
| Serial Port        | 5x COM ports (2x RS-232/422/485)                                                                                                                                                                                                                                                                                         |
| Display            | <ul style="list-style-type: none"> <li>-1x HDMI 2.0a, resolution up to 4096x2160 @60Hz</li> <li>-1x DisplayPort 1.2, resolution up to 4096x2160 @60Hz</li> <li>-1x VGA, resolution up to 1920x1200 @60Hz</li> <li>-1x LVDS connector on board, resolution up to 1920x1200 @60Hz</li> </ul>                               |
| USB                | <ul style="list-style-type: none"> <li>-4x USB 3.2 Gen 1</li> <li>-4x USB 2.0</li> </ul>                                                                                                                                                                                                                                 |
| Audio              | Audio Jack with Line-out / Mic-in with Realtek ALC887 Audio controller                                                                                                                                                                                                                                                   |
| Ethernet           | Intel® I219LM and Intel® I225LM Ethernet controller                                                                                                                                                                                                                                                                      |
| GPIO               | 1x Programmable 8-bit Digital I/O                                                                                                                                                                                                                                                                                        |
| Other              | <ul style="list-style-type: none"> <li>-2x Antenna holes for WiFi or 4G/GPS 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 60068-2-28  |
| Dimension             | 253(W) x 201(D) x 150(H) mm   |
| Weight                | 8 Kg                          |
| Mounting              | Wall mounting                 |