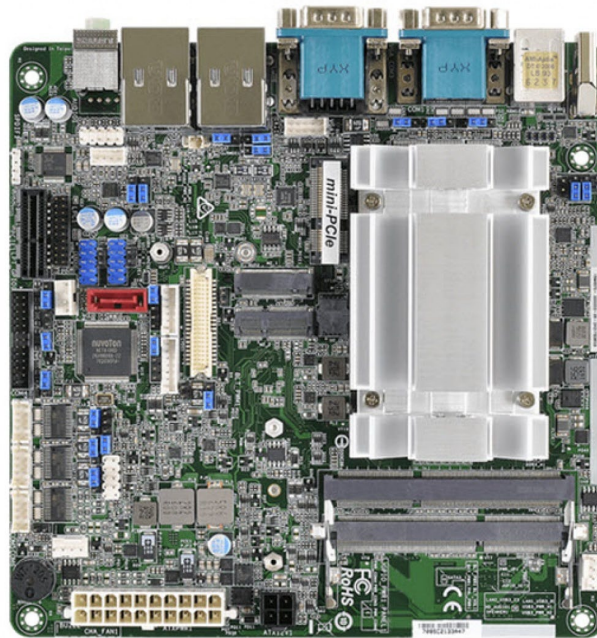


The4thware Industrial Board (MITX)

Intel Celeron N3350 Series Platform

T4WP-N3350-MITX



PRODUCT SPECIFICATION

Specification	
Processor	Intel® Celeron® processor N3350 in FCBGA1296 package, 1.1 GHz (2.4 GHz turbo), 2 MB L2, 6W TDP
Chipset	Integrated
BIOS	AMI uEFI BIOS
Memory	Support up to 8 GB DDR3L 1600/1333 MHz memory (non-ECC) on 2x 204-pin SODIMM socket
Storage Devices	1x SATA III ports 1x M.2 socket (KEY M 2260/2280) with SATA signal for SSD
Watchdog Timer	Programmable watchdog timer, time out period from 1 sec to 255 secs.
Hardware Monitoring	Temperature (CPU & System) Voltages (CPU Vcore, 12V, 5V, 3.3V, RAM)
Expansion Interface	1x PCIe x1 slot (Gen2, 5GT/s) 1x M.2 socket (KEY E 2230) with PCIe x1 and USB(shared) for Wireless 1x full/half size Mini PCIe socket with PCIe x1 and USB(shared)
Audio	Intel® High Definition Audio interface Realtek® ALC887 High Definition Audio 1x jumbo jack support Line-out/Mic-in
Ethernet	2x RJ45 connectors on rear I/O (Realtek® RTL8111G)
Serial Port	2x RS-232/422/485 on rear I/O (selectable by BIOS) 1x RS-232 on rear I/O 3x RS-232 on pin header (2.00 mm pitch)
USB	4x USB 3.0 on rear I/O 4x USB 2.0 on pin header (2.54mm pitch)
GPIO	8 bit GPI/GPO
Graphic Controller	Integrated Intel® Generation 9 Graphics Supports DirectX 12, OpenGL 4.2, OpenCL 2.0
Display Interface	LVDS: dual channel 24bit LVDS on board connector, up to 1920x1200 HDMI: resolution up to 3840x2160 VGA: resolution up to 1920 x 1200 , on rear I/O

PRODUCT SPECIFICATION

Dimension	170.0 x 170.0 mm (6.7" x 6.7")
Power Supply	12V & 19~24V DC input or ATX power input
Environment	Operating temperature: 0°C to 60°C Storage temperature: -20°C to 80°C Relative humidity: 5~95%, non-condensing
MTBF	Over 100,000 hours at 40°C