

UP Xtreme Boards

Product Overview

6/09/2022

For the most up-to-date information, visit www.mouser.com or the supplier's website.

Description

AAEON UP Xtreme Boards are the 3rd generation of UP Board products, powered by 8th Generation Intel® Core™ i7/i5/i3/Celeron® with up to 16GB of onboard RAM and 64GB of eMMC memory. These boards are capable of delivering 4K video output with the latest Intel® graphics solution.



The UP Xtreme boards operate at 0°C to 60°C temperature range and feature 12V to 60V wide voltage power input, 2 RS232/422/485 10-pin headers, a built-in audio jack, and Time-Sensitive Networking (TSN) to facilitate communication in a connected factory. These boards offer flexible expandability with both a 40-pin and 100-pin connector, M.2 2230, M.2 2280 slots, and mPCIe slots.

The UP Xtreme boards are compatible with other UP Board modules, including the AI Core X, AI Core XM 2280, and Vision Plus X, all featuring the Intel® Movidius™ Myriad™. These boards support up to 6 Intel® Movidius™ Myriad™ X modules, providing high-performance AI processing for edge computing applications.

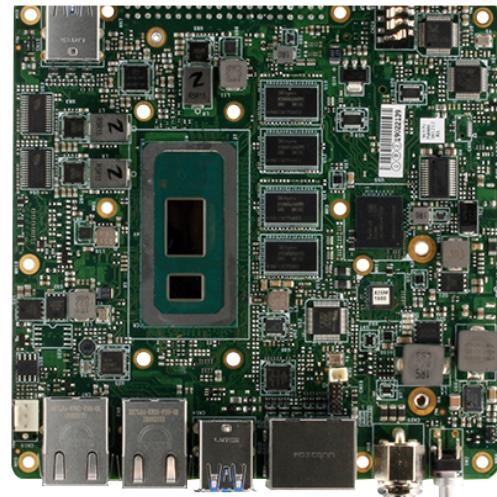
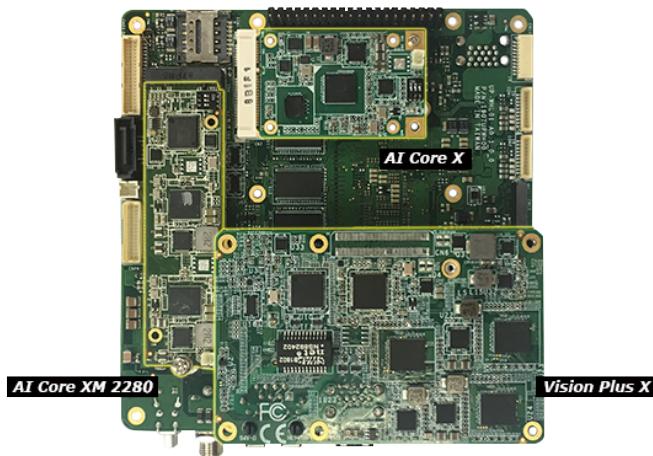
Features

- Intel® WHL-U Core i7/i5/i3/Celeron® processor SoC
- Onboard DDR4 memory, maximum 16GB
- eMMC 64GB
- 40-pin HAT connector
- 100-pin docking connector
- 3x 6.0Gb/s SATA
- 1x mini-card slot
- 1x M.2 2280 M key
- 1x M.2 2230 E key
- mPCIe slots
- 1x audio jack (line out + Mic)
- Lockable DC connector

Features

- RoHS compliant
- 0°C to 60°C operating temperature range
- 12V to 60V voltage power input range
- 122mm x 120mm dimensions

Board Overview



Mouser Part Numbers

[View All Parts](#)

To learn more, visit <https://www.mouser.com/new/aaeon-up/aaeon-up-xtreme-boards/>