



Main Features

- Intel® Core™ Ultra mobile processor (Series 2)
- Support Intel® AMT technology
- 2 x DDR5 SO-DIMM, up to 96GB
- 2 x HDMI® 2.0 output, up to 4096x2160@60Hz
- 2 x Intel® LAN port
- 1 x USB 3.2 Gen 1x1, 3 x USB 2.0
- TPM 2.0 for security
- 1 x M.2 Key B 3052/2242 for optional 5G/LTE module
- 1 x M.2 Key E 2230 for optional Wi-Fi module
- 1 x M.2 Key M 2280 for optional SSD
- Support DC +12V power input

Product Overview

The X203 board, Duro Edge Computer harnesses the power of Intel® Core™ Ultra 7 and 5 processors, featuring an integrated NPU for AI inference. This advanced architecture optimizes workloads across the CPU, GPU, and NPU, enabling up to 22.5 TOPS of AI computing power with exceptional energy efficiency. Dual HDMI® 2.0 ports deliver exceptional visuals, and a variety of I/O interfaces support a wide range of AI applications. Designed to operate in extreme temperatures from -20°C to 70°C, the X203 is ideal for semi-outdoor applications such as self-service kiosks, recycling machines, and intelligent parking systems

Specifications

CPU Support

- Intel® Core™ Ultra 7 processor 265U, TDP 15W
- Intel® Core™ Ultra 7 processor 255U, TDP 15W
- Intel® Core™ Ultra 5 processor 235U, TDP 15W
- Intel® Core™ Ultra 5 processor 225U, TDP 15W
- * Only 265U/235U supports the Intel® AMT

Main Memory

- 2 x 262-pin DDR5 5600 SO-DIMM, non-ECC, unbuffered, up to 96GB

Graphics & Display

- Intel® Graphics
- 2 x HDMI® 2.0, up to 4096x2160@60Hz

Storage

- 1 x M.2 Key M 2280 for optional SSD (PCIe 4.0 x4, SATA 3.0)

Expansion

- 1 x M.2 Key E 2230 for optional Wi-Fi module (PCIe 4.0 x1, USB 2.0)
- 1 x M.2 Key B 3052/2242 for optional 5G/LTE module (PCIe 4.0 x1, USB 3.2, USB 2.0)

Edge I/O Interface

- 1 x Power button with LED
- 2 x HDMI® 2.0 up to 4096x2160@60Hz
- 1 x 2.5GbE RJ45 port, Intel® I226

- 1 x GbE RJ45 port, Intel® I219
- 1 x USB 3.2 Gen 1x1, Type-A
- 3 x USB 2.0
- DC +12V input

Onboard Internal I/O

- 1 x eDP/LVDS connector, resolution up to 1920x1200@60Hz
- 2 x 6-pin header for USB 2.0 ports
- 2 x 9-pin header for COM port, RS-232/422/485
- 4 x 9-pin header for COM port, RS-232
- 1 x 10-pin header for GPIO, 4 x DI, 4 x DO
- 1 x 4-pin header for 2W/4Ω speaker out
- 1 x 9-pin header supports Mic in and Line out
- 1 x 2-pin header for reset
- 3 x Antenna hole

Dimension

- 146mm (W) x 102mm (D) (5.7" (W) x 4.0" (D))

Power Supply

- Nominal voltage: DC +12V~24V input

