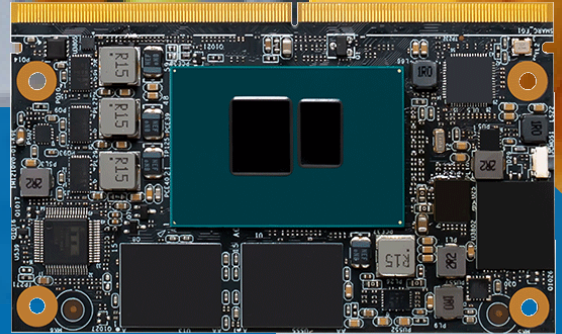


IM1-210

INTEL® AMSTON LAKE SMARC MODULE



Intel® Atom X7211RE Processor
Intel® Atom X7433RE Processor



Support HDMI, DP, MIPI-DSI, eDP/LVDS Outputs
Up to 4096 x 2160 @60 Hz



SMARC V2.1.1 Pinout
82 mm x 50 mm (3.23" x 1.97")

CPU

CPU	Intel® Atom X7211RE Processor Intel® Atom X7433RE Processor
Chipset	2 Cores/4 Cores
Total Cores	SOC
TDP	6 W / 9 W

System

GPU	Intel® UHD Graphics
System Memory	8 GB/16 GB, Onboard LPDDR5-4800MHz
Storage	64 GB, Onboard eMMC (Optional: 32 GB); 1X SATAIII
Power Requirement	DC-IN 5 V, supports 4 ~5.25V
Dimensions	82 mm x 50 mm (3.23" x 1.97")
Operating Temperature	-40°C ~85°C (-40°F ~185°F) @0.7m/sAir Flow
Storage Temperature	-55°C ~85°C (-67°F ~185°F)
Operating Humidity	5% ~90% (non-condensing)
Humidity	5% ~95% (non-condensing)

I/O Signal

Display	1 x HDMI (Max. 4096 x 2160 @60 Hz) 1 x DP (Max. 4096 x 2160 @60 Hz) 1 x eDP (Up to 3840 x 2160 @60 Hz) 1 x Dual-channel LVDS (Up to 1920 x 1080@60 Hz) eDP coloy with LVDS
Camera	1 x 2-lane MIPI-CSI, 1 x 4-lane MIPI-CSI
Audio	HDA / 2 x I2S
Wi-Fi/BT	1 x SDIO3.0
Ethernet	2 x 2.5 Gigabit Ethernet, support TSN
USB	2 x USB3.2 Gen2, 6 x USB2.0
Serial Port	2 x 4-wire UART, 2 x 2-wire UART, 1 x SPI, 1 x I2C
SMbus	1x SMbus
CAN	2 x CAN-FD
GPIO	14 x GPIO
Operation System	Windows 11/Linux (64bit)

Order information

IM1-210	CPU: Intel® Amston Lake Processors RAM: 8 GB, Onboard LPDDR5 Storage: 64 GB, Onboard eMMC
---------	---

Optional

NA	
----	--

HDMI
HIGH DEFINITION MULTIMEDIA INTERFACE
The terms HDMI, HDMI High-Definition Multimedia Interface, and the HDMI Logo are trademarks or registered trademarks of HDMI Licensing Administrator, Inc.

RoHS