



SDM-L 611

TIGER LAKE SMART DISPLAY MODULE



Intel® Tiger Lake UP3
Celeron/Core processors



SDM I/O support 8K resolution
1 x HDMI (4096 x 2304 @60 Hz)



Support Wi-Fi/BT module



Intel® vPro technology
Core™ i5-1145G7

CPU

CPU	Intel® Celeron® 6305 processor Intel® Core™ i3-1115G4 processor Intel® Core™ i5-1135G7 processor Intel® Core™ i5-1145G7 processor Intel® Core™ i7-1165G7 processor
Base Frequency	1.80GHz /3.00 GHz /2.40 GHz /2.60 GHz /2.80 GHz
Turbo Frequency	NA /4.10 GHz /4.20 GHz /4.40 GHz /4.70 GHz
Chipset	SoC
Processing Units	2 Cores /2 Cores /4 Cores /4 Cores /4 Cores
Configurable TDP-up	15 W /28 W /28 W /28 W /28W

System

System Memory	Up to 32 GB, 2 x SO-DIMM DDR4-3200 MHz
Storage	1 x M-Key M.2 (2242/2280) for SSD
TPM	Optional: TPM2.0
Watchdog Timer	Yes
Auto Power On	Yes
RTC	Set up independently every day, a week as a cycle
Remo on	NA
Power Requirement	DC-IN, 12 V/5 A SDM IO: 12 V
Dimensions	175mm x 110mm (6.89" x 4.33")
Operation System	Windows 10 (64bit) /Windows 11 (64bit) Linux Ubuntu (64bit)
Operating Temperature	0°C ~60°C (32°F~140°F) @0.7m/s Air Flow
Humidity	95% @ 45°C (non-condensing)

Network

Network Controller	1 x i219LM Gigabit Ethernet
Ethernet Interface	1 x RJ45
Wi-Fi/BT	1 x E-Key M.2 (2230) for Wi-Fi/BT Support Wi-Fi 5, Wi-Fi 6 (CNVi)
Mobile Network	N/A

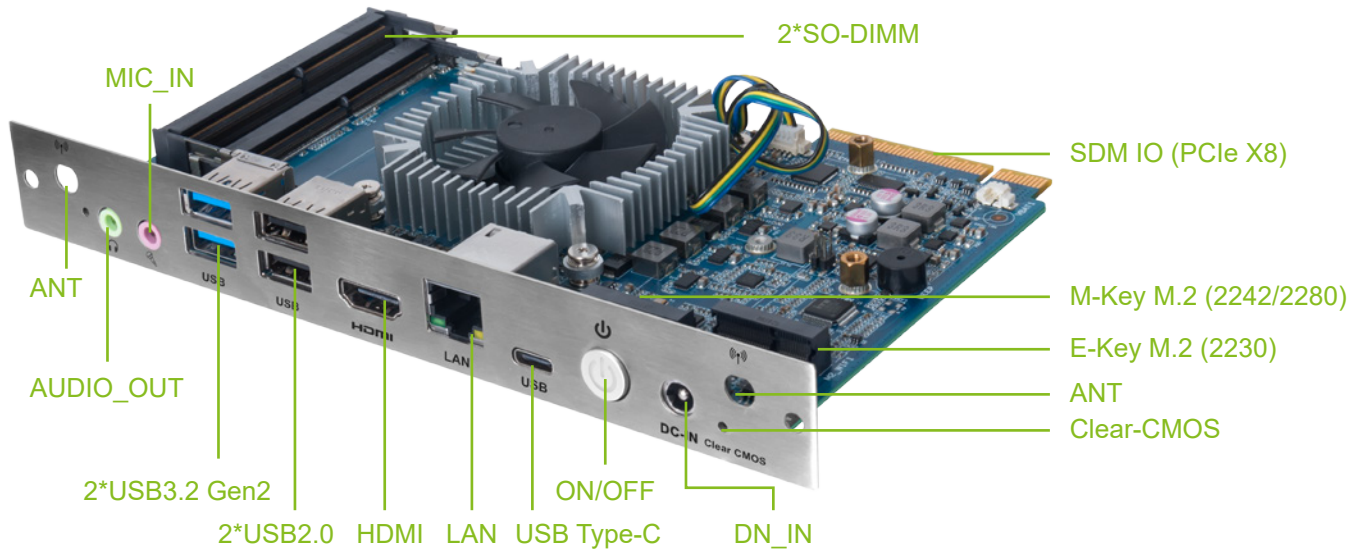
Display

GPU	Intel® UHD Graphics (Celeron 6305, Core i3) Intel® IRIS® X ^e Graphics (Core i5, Core i7)
Graphic Engine	DirectX 12.0, OpenGL 4.5, OpenCL 2.2, 8K60 12b 4:2:0 HEVC/VP9/SCC
Display Interface	1 x HDMI (Max.4096 x 2304 @60 Hz)

I/O interface

USB	1 x USB Type-C3.2 Gen1, 2 x USB3.2 Gen2, 2 x USB2.0
Serial Port	NA
Audio	1 x MIC-IN, 1 x AUDIO-OUT
Button	1 x Power on, 1 x CLR-CMOS
Antenna	2 x Connector for Wi-Fi/BT
SDM I/O	HDMI , DP1.4 , USB3.2 Gen2 , UART ,
PCIe X8 Edge Connector	GSPI , I2C , PCIe , SYS_FAN

Dimensions and Drawing



Order information

SDM-L 6305G4H0G-GIA	CPU: Intel® Celeron® 6305
SDM-L 1115G4G4H0G-GIA	CPU: Intel® Core™ i3-1115G4
SDM-L 1135G7G4H0G-GIA	CPU: Intel® Core™ i5-1135G7
SDM-L 1145G7	CPU: Intel® Core™ i5-1145G7
SDM-L 1165G7	CPU: Intel® Core™ i7-1145G7

Optional items

Wi-Fi/BT Module	Intel® Dual Band Wireless-AC 3165, Intel® Dual Band Wireless-AC 9260, Intel® Wi-Fi 6 AX200, Intel® Wi-Fi 6E AX210 (Gig+)
Operation System License	Windows 10 (64bit), Windows 11 (64bit)