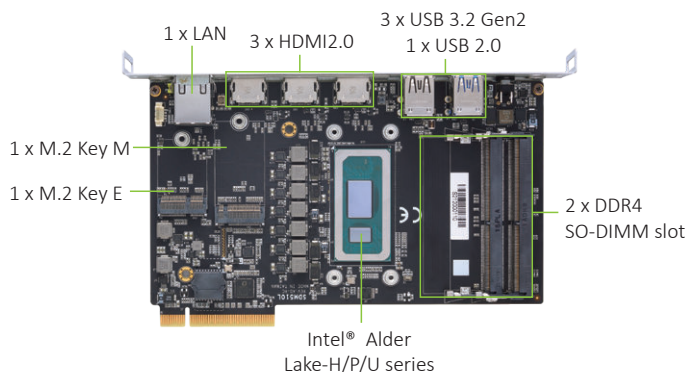
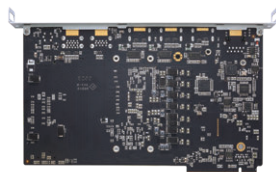


SDM510L NEW

Intel® Smart Display Module Large (Intel® SDM-L) with 12th Gen Intel® Core™ i7/i5/i3 or Intel® Celeron® Processor and Intel® Iris® Xe Graphics with 8K60Hz or up to Four 4K60Hz Supported



▲ Side View



▲ Rear View

Features

- Intel® Smart Display Module (Intel® SDM) specification
- 12th gen Intel® Core™ i7/i5/i3 or Intel® Celeron® processor (Alder Lake-H/P/U series)
- 2 DDR4-3200 SO-DIMM
- M.2 Key E slot
- M.2 Key M slot
- 3 HDMI, 3 USB 3.2 Gen2, 1 USB 2.0, and 1 LAN
- Supports Intel® OpenVINO™ and Intel vPro®



Specifications

Core System

| | |
|---------------------|---|
| CPU | 12th gen Intel® Core™ i7/i5/i3 or Intel® Celeron® processor (Alder Lake-H/P/U series) |
| System Memory | 2 x 260-pin DDR4-3200 SO-DIMM |
| Chipset | SoC integrated |
| BIOS | AMI |
| SSD | 1 x M.2 Key M 2242 slot |
| WatchDog Timer | 255 levels, 1 to 255 sec. |
| Expansion Interface | 1 x M.2 Key E 2230 slot for Wi-Fi/Bluetooth |
| Battery Lithium | Lithium 3V/220 mAH |
| Power Input | Through SDM golden finger +12V & +3.3VSB |

Display

| | |
|-------------------|---|
| Graphic | Intel® Iris® Xe Graphics (Core™ i7/i5) Intel® UHD Graphics (Core™ i3 and Celeron®) |
| Display Interface | 3 x HDMI 2.0 (4K60Hz) (rear I/O) 1 x HDMI 2.1 (8K60Hz) (edge connector) 1 x DisplayPort 1.4 (4K60Hz) (edge connector) |

I/O

| | |
|--------------------|--|
| SDM Edge Connector | 1 x USB 3.0 1 x HDMI 2.1 1 x DisplayPort 1.4 1 x Serial TX/RX 2 x I ² C |
| Ethernet | 2.5GbE with Intel® I225 and supports Wake-on LAN (Intel® Core™ i7 and i5 support Intel vPro® function) |
| Audio | Audio by HDMI |
| USB | 3 x USB 3.2 Gen2 1 x USB 2.0 |

Mechanical and Environmental

| | |
|-----------------------|--|
| Dimensions | 175 x 100 mm |
| Weight (net/gross) | 252g/340g |
| Board Thickness | 1.6 mm |
| Operating Temperature | 0°C to 60°C (+32°F to +140°F) |
| Humidity | 10%- 95% relative humidity, non-condensing |

Ordering Information

Standard

| | |
|-----------------|---|
| SDM510L-I5H-3H1 | SDM-L module with Intel® Core™ i5-12600HE processor (45W), 2 SO-DIMM, 1 M.2 SSD, 3 HDMI, 1 LAN, 3 USB 3.2 Gen2, and 1 USB 2.0 |
| SDM510L-I3U-3H1 | SDM-L module with Intel® Core™ i3-1215UE processor (15W), 2 SO-DIMM, 1 M.2 SSD, 3 HDMI, 1 LAN, 3 USB 3.2 Gen2, and 1 USB 2.0 |
| SDM510L-CLU-3H1 | SDM-L module with Intel® Celeron 7305E processor (15W), 2 SO-DIMM, 1 M.2 SSD, 3 HDMI, 1 LAN, 3 USB 3.2 Gen2, and 1 USB 2.0 |

Optional

| | |
|--------------|-------------------------------|
| 8812T1500AOE | Wi-Fi kit |
| M.2 SSD | M.2 Key M 2242; 64GB to 256GB |
| DDR4 SO-DIMM | DDR4 4GB to 32GB |