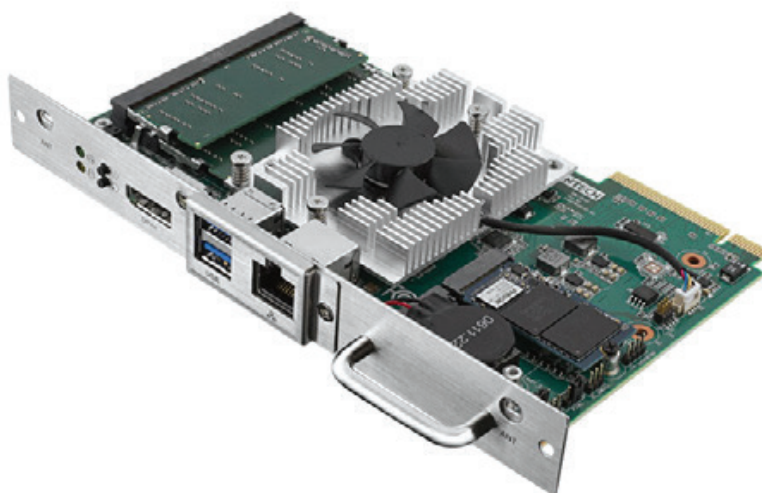


SDM Midrange: SDM-M3-0812

Intel® Smart Display Module (Intel® SDM)



Intel® SDM Slot-In PC for all types of midrange signage applications

Experience next-generation performance with the Intel® Smart Display Module Midrange (RPL), offering modular versatility and seamless Windows 11 IoT compatibility for supported Large Format Displays. Delivering the performance, reliability and flexibility needed to create perfect-fit digital display solutions, the Intel® SDM Midrange offers a budget-conscious option for applications such as passenger information systems, retail and corporate signage, interactive displays, and kiosk solutions.

Delivering Genuine Benefits

- **Reduce power consumption without sacrificing performance** through a hybrid-core architecture that balances efficiency and processing power.
- **Prepare for growing AI workloads** and future applications with a platform built on a strong foundation for AI-driven experiences.
- **Eliminate noise distractions** in classrooms, meeting spaces, and public environments with completely silent operation.
- **Simplify deployment and reduce maintenance complexity** through a modular design that makes installation, upgrades, and servicing easier.
- **Avoid integration challenges and accelerate implementation** with seamless compatibility across Sharp Large Format Displays that support the Intel® SDM standard.
- **Lower total cost of ownership** with affordable acquisition costs and energy-efficient operation.
- **Ensure reliable, always-on performance** for critical signage and display applications with a robust platform engineered for continuous operation.

Technical Specifications

Order Codes

SDM Midrange	SD SDM-M3-0812 M-M3-0812
Player Configuration	
CPU	Intel® U300E, 5 Cores (1x Performance, 4x Efficient), max. 4.3 GHz
BIOS	AMI uEFI 128 Mbit
RAM	8GB dual channel
Mass Storage	128 GB
Graphics (board)	Intel® UHD Graphics for 13th Gen Intel® Processors, HW Codec: H.265/HEVC, VP8, VP9, MPEG2, JPEG, AVC; VC-1 Decode, AV1 Decode Direct3D 12.1; OpenGL 4.6; OpenCL 3.0
Operation System	Windows 11 IoT LTSC 2024
Hardware Management Tools	Intel® Platform Trust Technology (Intel® PTT) Watchdog Timer (programmable 1-255sec)

CONNECTIVITY

Interfaces Frontside	2 x USB 3.2 Gen2 RJ45: up to 2.5GbE DP++ 1.2
Interfaces backside	Internal Intel® SDM 1 x DisplayPort, 1 x TMDS, 1 x USB, UART, i2C, 3.3 VSB, 12V

RESOLUTION

EDID/DDC support	Internal SDM interface up to 3840 x 2160 @ 60Hz External Terminal: 3840 x 2160 @ 60Hz
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ELECTRICAL

Power Consumption [W]	Continuous: 66 Peak (max. 10ms): 79.2
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ENVIRONMENTAL CONDITIONS

Operating Temperature [°C]	0-55
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MECHANICAL

Net Weight [kg]	1.0
Gross Weight [kg]	1.2
Size / Gross Dimensions [mm]	0.175 x 0.100 x 0.020 / 0.325 x 0.245 x 0.075

ADDITIONAL FEATURES

Compatibility	All Sharp and NEC Large Format Displays accepting Intel® Smart Display Module Large except ME431 and M431
Warranty	3 years warranty, additional services available



For additional pictures and Solutions overview, <https://business.sharppusa.com/large-format-displays> for details >

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