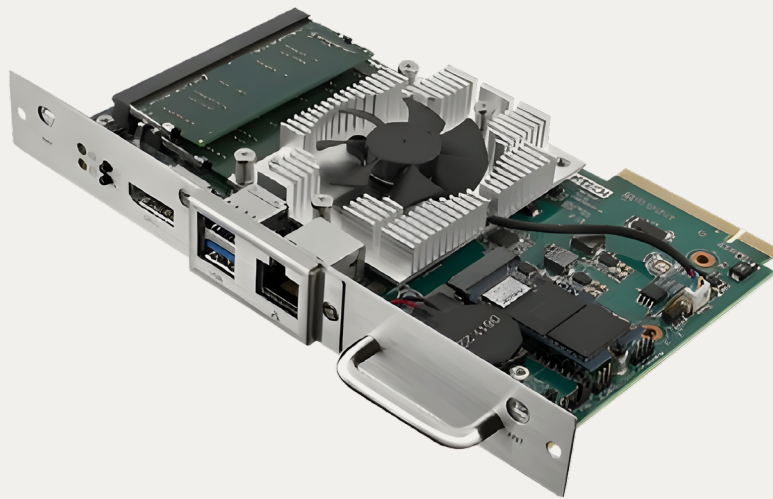


Intel® Smart Display Module (Intel® SDM)

SDM Midrange.



Intel® SDM Slot-In PC for any midrange signage application

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.

- **Hybrid-core efficiency** - access the performance you need while minimising energy consumption.
- **Smart** - a solid foundation for cutting-edge AI application
- **Soundless** - silent operation for a distraction-free environment.
- **Modular** - simplifies installation and maintenance with the flexibility to upgrade performance levels.
- **Compatibility** - seamless integration with your existing Sharp or NEC Large Format Displays that support the SDM slot.
- **Cost effective** - value for money with low upfront and running costs.
- **Robust** - built for continuous, dependable operation.

Specifications

Order Codes

SDM Midrange (RPL-U300E-d8/128/W11IoT B)	100016471
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PC 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 13 th 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
Operating 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 (m)	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, visit www.sharpdisplays.eu for details.