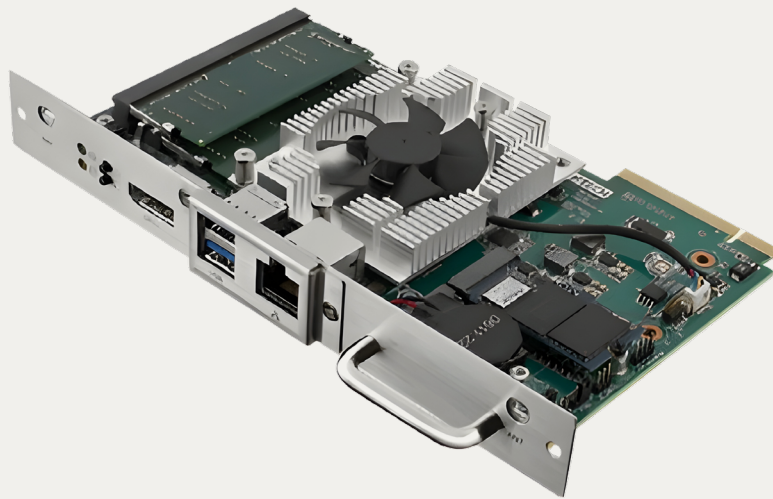


Intel® Smart Display Module (Intel® SDM)

SDM Advanced.



Intel® SDM Slot-In PC for any high-end signage application

Experience next-generation performance with the Intel® Smart Display Module **Advanced** (RPL), offering modular versatility and seamless Windows 11 IoT compatibility for supported Large Format Displays.

Designed for complex intelligent signage installations that process and display sensor and other data in real time, the Intel® SDM Advanced is ideally suited for mission-critical applications and organisations with demanding IT standards.

- **High performance** - featuring 2 Performance cores and 8 Efficient cores to deliver the power you need while optimising energy consumption.
- **Smart** - a solid foundation for cutting-edge AI applications.
- **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.
- **Built for business** - Intel vPro® Essentials for enhanced security and simplified IT.
- **Robust** - built for continuous, dependable operation.

Specifications

Order Codes

SDM Advanced (RPL-i5-d8/128/W11IoT B)	100016472
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PC Configuration

CPU	Intel® Core™ i5-1335U Processor; 10 Cores (2x Performance, 8x Efficient), maximum 4.6GHz
BIOS	AMI uEFI 128 Mbit
RAM	8GB dual channel
Mass Storage	128 GB
Graphics (board)	Intel® Iris® Xe Graphics eligible; HW Codec: H.265/HEVC, VP8, VP9, MPEG2, JPEG, VC1, AVC, AV1 Decode; Direct3D 12.1 ; OpenGL 4.6 ; OpenCL 3.0
Operating System	Windows 11 IoT Enterprise LTSC 2024
Hardware Management Tools	Trusted Platform Module TPM 2.0 Featuring Intel vPro® Essentials with Intel® Standard Manageability (ISM) Intel® Management Engine (ME v16.1.25.2124) Watchdog Timer (programmable 1-255sec)

Connectivity

Interfaces Frontside	2 x USB 3.2 Gen2 RJ45: up to 2.5GbE DP++ 1.2
Interfaces backside	SDM I/F: 1 x DisplayPort, 1 x TMDS, 1 x USB, UART, I2C, 3.3VSB, 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.