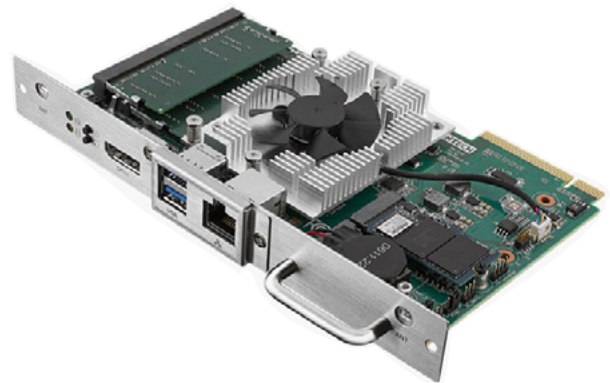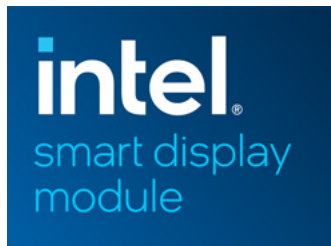SHARP/NEC

Order Code: 100016177

Intel® Smart Display Module (Intel® SDM)
Midrange

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

Introducing the Intel® Smart Display Module Midrange, the most versatile and intelligent slot-in PC on the market for flight and passenger information, retail and corporate signage, and interactive and kiosk applications.

Perfect for budget-conscious businesses and organizations, the Intel® SDM Midrange delivers the performance, reliability, and flexibility you need to create the perfect digital display solution for your specific needs.

Benefits

- **Hybrid-core efficiency** - get the performance you need without sacrificing efficiency

- **Smart** - solid foundation for cutting-edge AI applications

- **Soundless** - silent operation for a distraction-free environment

- **Modular** - simplifies installation and maintenance

- **Compatibility** - seamless integration with your existing Sharp/NEC Large Format Displays supporting SDM slot

- **Cost effective** - value for money with low upfront and running costs

- **Robust** - built for continuous, dependable operation

Technical Specifications

ORDER CODES	
SDM Midrange (ADL-Pen-d8/128/W10IoT B)	100016177
PC CONFIGURATION	
CPU	Intel® Pentium® Gold Processor 8505; 5 Cores (1x Performance, 4x Efficient), max. 4.4 GHz
BIOS	AMI uEFI 128 Mbit
RAM	8GB dual channel
Mass Storage	128 GB
Graphics (board)	Intel® UHD Graphics for 12th 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 10 IoT Enterprise LTSC 2021
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
ELECTRICAL	
Power Consumption [W]	Continuous: 66 Peak (max. 10ms): 79.2
ENVIRONMENTAL CONDITIONS	
Operating Temperature [°C]	0-55
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/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.sharpnecdisplays.eu for details.