

Intel® Smart Display Module (Intel® SDM) 8th Generation Intel Core i3 Processor

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

This Core i3 powered Intel® SDM Large Slot-in PC supports a wide variety of applications such as flight and passenger information, retail and corporate signage as well as interactive and kiosk applications.



Benefits

- **Versatile performance** - The Core™ i3-8100H processor with 8GB dual channel DDR4 RAM delivers fast data processing and is capable to run multiple operations and applications at the same time; powering the next generation of embedded computing.
- **Tailored for your needs** - customer specific configurations for RAM, SSD, operating system and pre-installed software.
- **High usage flexibility** - thanks to wide connectivity such as 4 x USB, MiniDP++, Gigabit Ethernet, and Audio; there's no need to add additional adapters or signal splitters.
- **Seamless and fully embedded** - The Intel® SDM form factor provides a compact and fully embedded solution ensuring that all connectors are integrated including Power, Video & Audio Signal.
- **100% compatibility and enhanced feature-set** - in combination with supported NEC large format displays.
- **Built for business** - The TPM chipset provides enhanced hardware security through integrated cryptographic keys.
- **High reliability** - Ideally suited for 24/7 operation due to the use of industrial grade components.

Intel® Smart Display Module (Intel® SDM) featuring Intel® 8th Core i3 Processor

Technical Specifications

PC CONFIGURATION	
CPU	Intel® Core™ i3-8100H Processor 4x3GHz Base frequency
System Chipset	Intel QM370
BIOS	AMI uEFI 128 Mbit
RAM	8GB dual channel
Mass Storage	128GB M.2 SSD (SATA)
Graphics (board)	Intel® UHD Graphics 610 integrated Graphics controller, HW Codec: H.265/HEVC, VP8, VP9, MPEG2, JPEG, VC1/WMV9. Direct3D 2015/11.2/11.1/10/9 ; OpenGL5.0 ; OpenCL 2.0/1.2/1.0
Operating System	Windows 10 IoT Enterprise
CONNECTIVITY	
Interfaces Frontside	4 x USB 3.1 Gen2 RJ45 10 / 100 / 1000 Mbps 1 x MiniDP++ 1.2 1 x Mini Jack Audio in/out
Interfaces backside	Internal Intel® SDM PCIe x8 interface, supporting USB3.1 x1, HDMI 2.0 x1, Display Port 1.2 x1, RS232 x1, 12V DC-In
RESOLUTION	
EDID/DDC support	Internal SDM interface up to 3840 x 2160 @ 60Hz External MiniDP++ interface up to 4096 x 2160 @ 60Hz
ELECTRICAL	
Power Consumption [W]	Idle: 8 Watt Max: 67 Watt
ENVIRONMENTAL CONDITIONS	
Operating Temperature [°C]	0-55
MECHANICAL	
Net Weight (kg)	1.0
Gross Weight (kg)	1.2
Dimensions	6.9 x 3.9 x 0.79in/175 x 100 x 20mm
ADDITIONAL FEATURES	
Compatibility	All NEC Large Format Displays accepting Intel® Smart Display Module Large
Warranty	3 Years warranty, additional services available

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