

Order Code: 100015585

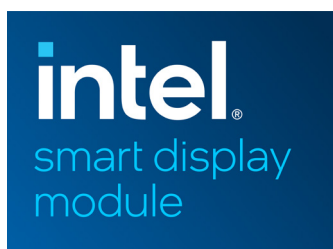
Intel® Smart Display Module (Intel® SDM) 8th Generation Intel Celeron Processor

The Standard Celeron SDM

Configurable Intel® SDM Slot-In PC
for all type of standard applications

This Celeron powered Intel® SDM Large Slot-in PC supports a wide variety of applications such as flight information controllers in airports, media players for retail or corporate signage, menu board play-out systems in restaurants and many more.

Tailor-made solutions can be provided with a wide choice of processors, solid-state drives, RAM and operating systems as well as Wi-Fi, connectivity.



Benefits

- **Versatile performance** - The G4930E Intel® Celeron 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, Audio and optional WiFi; 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 Signals and RS232.
- **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 Celeron Processor

Technical Specifications

| ORDER CODES | |
|---|--|
| SDM-CFH-Cel-d8/128/W10IoT/TPM B | 100015585 |
| PC CONFIGURATION | |
| CPU | Intel® Celeron G4930E 2x2.4GHz Base frequency |
| System Chipset | Intel QM370 |
| BIOS | AMI uEFI 128 Mbit |
| RAM | 8GB dual channel - configuration options: 4GB, 16GB, 32GB |
| Mass Storage | 128GB M.2 SSD (SATA) - configuration options: 64GB, 256GB, 512GB, 1024GB |
| Graphics (board) | Intel® UHD Graphics 630 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 LTSC 2019 x64bit (pre-loaded), different configurations available on request (Build-to-order) |
| Hardware Management Tools | Trusted Platform Module (TPM 2.0) |
| 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 Optional WiFi: Intel® Wireless-AC 9260 Module 802.11ac Wifi + BT 5.1 |
| 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: (Turbo mode) 53.5 Watt |
| 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 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. | |

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