

Material Number: 100016121

# OPS Computing Module Advanced

Core i5 Processor

Slot-in PC for all type of high-end signage applications.

The Advanced computing module supports a wide variety of applications such as interactive signage applications, video walls and more complex intelligent signage installations where sensor and other data are processed and displayed in real-time.



## Benefits

- **High performance** - the Core™ i5 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.
- **Long-term OS support** - with its Microsoft Windows 10 IoT pre-installed operating system and its Long-term Servicing Channel (LTSC) you get software support for many years.
- **High usage flexibility** - thanks to wide connectivity such as 6 x USB, HDMI, Gigabit Ethernet, RS-232 and Audio there's no need to add additional adapters or signal splitters.
- **Seamless and fully embedded** - the OPS form factor provides a compact and fully embedded solution ensuring that all connectors are integrated including Power, Video & Audio Signals and RS-232.
- **100% compatibility and enhanced feature-set** - in combination with supported NEC and Sharp large format displays.
- **High reliability** - ideally suited for 24/7 operation due to the use of industrial grade components.

## Technical Specifications

|   |   |
|---|---|
| <b>MATERIAL NUMBER</b>  |   |
| OPS-ELK-i5-d8/128/W10IoT B  | 100016121   |
| <b>PC CONFIGURATION</b>   |   |
| CPU   | Intel® Core™ i5-1135G7 Processor 4x 2.4 GHz base frequency  |
| RAM   | 8GB dual channel DDR4   |
| Mass Storage  | 128GB M.2 SSD (SATA)  |
| Graphics (board)  | Intel® Iris® Xe Graphics, integrated graphics controller<br>HW Codec: H.265/HEVC, VP8, VP9, MPEG2, JPEG, VC1/WMV9.<br>Direct3D 2015/11.2/11.1/10/9 ; OpenGL5.0 ; OpenCL 2.0/1.2/1.0 |
| Operating System  | Windows 10 IoT LTSC x64   |
| <b>CONNECTIVITY</b>   |   |
| Interfaces Frontside  | 4x USB 3.0 Gen1 type A<br>2x USB 2.0 Gen1 type A<br>RJ45 10 / 100 / 1000 Mbps<br>1x HDMI<br>1x line-out, 1x mic-in  |
| <b>RESOLUTION</b>   |   |
| EDID/DDC support  | Internal OPS interface (HDMI only) up to 3840 x 2160 @ 60Hz<br>External HDMI interface up to 3840 x 2160 @ 60Hz   |
| <b>ELECTRICAL</b>   |   |
| Power Consumption [W]   | Idle: 8.5<br>Max. turbo mode: 70  |
| <b>ENVIRONMENTAL CONDITIONS</b>   |   |
| Operating Temperature [°C]  | 0 to 40   |
| <b>MECHANICAL</b>   |   |
| Net Weight [kg]   | 0.8   |
| Gross Weight [kg]   | 1.2   |
| Net Dimensions [mm]   | 180 x 118 x 30  |
| Gross Dimensions [mm]   | 325 x 245 x 75  |
| <b>ADDITIONAL FEATURES</b>  |   |
| Compatibility   | All NEC and Sharp large format displays featuring an OPS slot   |
| Warranty  | 3 years warranty, additional services available   |
| For additional pictures and Solutions overview, visit <a href="http://www.sharpnecdisplays.eu">www.sharpnecdisplays.eu</a> for details. |   |

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