

Computing Module Core i5 Processor

OPS Advanced (RPH).



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

The OPS Advanced is the most versatile and intelligent slot-in PC available for complex signage installations requiring real-time processing and display of sensor data and other dynamic content.

Engineered for mission-critical applications and organisations with stringent IT standards, the OPS Advanced delivers the highest performance, reliability, and flexibility to create robust, future-ready digital display solutions.

- **High performance** - the Core™ i5 with 8GB dual channel DDR4 RAM delivers fast data processing and is capable of running multiple operations and applications at the same time; powering the next generation of embedded computing.
- **Long-term OS support** - with its Microsoft Windows 11 IoT pre-installed operating system and Long-term Servicing Channel (LTSC) you will receive software support for many years.
- **High usage flexibility** - thanks to wide connectivity such as 5 x USB, HDMI, DisplayPort, 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 Sharp large format and interactive displays.
- **High reliability** - ideally suited for 24/7 operation due to the use of highly reliable components.

Specifications

Order Codes

OPS Advanced (RPH-i5-d8/128/W11IoT B)	L50OPS-ADH-16584
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PC Configuration

CPU	Intel® Core™ i5 13420H Processor; 8 Cores (4x Performance, 4x Efficient), maximum 4.4 GHz
RAM	8GB DDR4 dual channel
Mass Storage	128GB M.2 SSD (NVMe)
Graphics (board)	Intel® UHD Graphics for 13 th Gen Intel® Processors 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 LTSC 2024

Connectivity

Interfaces Frontside	2x USB 3.1 Type A Gen 2x USB 2.0 Type A Gen 1x Type C USB 3.1 RJ45 10 / 100 / 1000 Mbps 1x DP-out (4K@60Hz) 1x HDMI out (4K@30Hz) 1x headphone
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Resolution

EDID/DDC support	Internal OPS interface HDMI up to 3840 x 2160 @ 60Hz* External HDMI interface up to 3840 x 2160 @ 30Hz
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Electrical

Power Consumption [W]	Idle : 8.5 Max. turbo mode: 58
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Environmental conditions

Operating Temperature [°C]	0 to 40
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Mechanical

Net Weight (kg)	0.8
Gross Weight (kg)	1.2
Size / Gross Dimensions (m)	180 x 118 x 30 / 325 x 245 x 75

Additional features

Compatibility	All Sharp large format & interactive displays featuring an OPS slot*
Warranty	3 years warranty, additional services available



* Some NEC or Sharp Sharp displays might be limited
in resolution to a maximum of 4K@30Hz

For additional pictures and solutions overview,
visit www.sharpdisplays.eu for details.