

Order Code: 100014922, 100014923

OPS Slot-in PCs featuring Intel® 7th Generation Intel Core i Processors

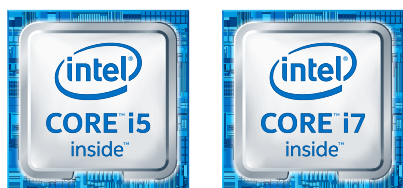
A simple plug into the future

Configurable OPS Slot-In PCs make digital signage simpler and more flexible whilst enabling customized signage deployment

The full line-up of OPS Slot-in PCs supports a wide variety of applications starting from static content playback and ranging to the most demanding interactive, high resolution or resource hungry applications. The 7th generation Intel® Core™ i processors deliver crisp 4K UHD playback

through a new class of computing power available on our next generation of OPS Slot-in computing. Configuring the Slot-in PCs to meet customers' demands with a tailor-made solution is easy through a wide choice of processors, solid-state drives, RAM and operating systems as well as Wi-Fi, TPM and 4G connectivity. The majority of NEC Large Format displays plus PX and PH Installation projectors feature the OPS option slot for seamless integration.

Combined with the latest display technology they are used for Flight information controllers in Airports, Media Players for Retail Signage, Menu board play-out systems for QSR or as video conferencing clients in corporate applications plus so much more.



Benefits

- **Lighten your heaviest workloads** - The 7th generation Intel® processors deliver faster data processing and increased capability to run multiple operations and applications at the same time; powering the next generation of embedded computing.
- **Smooth graphics performance** - Intel® HD Graphics provides Ultra HD resolution, intense detail and faster frame rates, delivering a remarkable visual experience and video playback of up to 4K/60Hz resolution.
- **High usage flexibility** - thanks to wide connectivity such as 4 x USB, 2 x DisplayPort out, Gigabit Ethernet, Audio and optional WiFi or 4G/LTE; there's no need to add additional adapters or signal splitters.
- **Versatility and investment security** - Easily upgrade storage to greater capacity or keep sensitive data within the company with removable and upgradable SSD data storage.
- **Seamless and fully embedded** - The OPS concept provides a compact and fully embedded solution ensuring that all connectors are integrated including Power, Video & Audio Signals and RS232.
- **Untethered wireless data transfer** - Smoothly update screen content with optional cable-free Wi-Fi or 4G/LTE connectivity, independently to wired network environments.
- **Upgrade the power of your displays at any time** - Savings are possible by upgrading just the OPS device or just the display without having to change the entire hardware setup.
- **High reliability** - Ideally suited for 24/7 operation due to the use of industrial grade components.

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Technical Specifications

ORDER CODES	
OPS-Kbl-i7v-s4-64-W10IoT B	100014922
OPS-Kbl-i5v-s4-64-W10IoT B	100014923
PC CONFIGURATION	
CPU	Intel® i5-7440EQ 4 x 2.9Ghz base frequency (up to 3.6 GHZ turbo Mode) Intel® i7-7820EQ 4 x 3.0Ghz base frequency (up to 3.7 GHZ turbo Mode) Intel® i3-7100E 2 x 2.9Ghz base frequency (on request)
RAM	up to 32GB (DDR4), dual channel mode
Mass Storage	up to 2x M.2 SSD (SATA), 64GB / 128/ 256 GB / 512 GB /1TB different configurations available on request (Build-to-order)
Graphics (board)	630 integrated Gen9-LP 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 LTSB x64bit (pre-loaded), different configurations available on request (Build-to-order)
CONNECTIVITY	
Interfaces Frontside	1 x USB 2.0 2 x USB 3.0 1 x USB 3.1 Gen1 Type C RJ45 10 / 100 / 1000 Mbps 2 x DisplayPort 1.2 ++ 2 x Antenna for WIFI or 4G/LTE cellular (optional) 1 x Micro Sim Card Optional WiFi: Intel Dual Band Wireless-AC 8260 802.11ac, dual band, Wi-fi Optional 4G/LTE: Quectel EC20 Multi-mode LTE Module
Interfaces backside	Internal OPS-interface to OPS Slot-in PC (JAE 80-pin connector) Internal HDMI 1.4 or DisplayPort 1.2
Audio	Analog Stereo, Intel Display Audio over internal HDMI or DisplayPort
RS-232	Via internal connector to Public Display
RESOLUTION	
EDID/DDC support	Up to 4096 x 2160 Pixels (Automatic System Setup via DDC Support) Internal OPS interface HDMI up to 3840 x 2160 @ 30Hz Internal OPS interface DisplayPort up to 4096 x 2160 @ 60Hz 60Hz (supported displays: NEC X651UHD-2/ NEC X841UHD-2/ NEC X981UHD-2)
ELECTRICAL	
Power Consumption [W]	I5-7440EQ / I7-7820EQ Idle: 8 Watt Max: (Turbo mode) 64.5 Watt
ENVIRONMENTAL CONDITIONS	
Operating Temperature [°C]	5-35
MECHANICAL	
Net Weight (kg)	0.8
Gross Weight (kg)	0.9
Size / Gross Dimensions (m)	0.12 x 0.03 x 0.19 / 0.19 x 0.07 x 0.26
ADDITIONAL FEATURES	
Compatibility	All NEC Large Format Displays with Option Slot, NEC PX and NEC PH Series Projectors
Warranty	3 Years warranty, additional services available
AVAILABLE OPTIONS	
External Adapter (24/7)	OPS Standalone Adapter, Order Code: 100013143
OPS Standalone Adapter 2.0	Order Code: 100014153
For additional pictures and Solutions overview, Visit www.nec-display-solutions.com for details.	

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