» DSEK-12 Evaluation Kit «



Digital Signage Evaluation Kit – Simplifying Design of a Media-Rich Information Solution

» Begin Digital Signage solution development within minutes of opening the kit
» Simply prototyping – Program & install the included Kontron OPS-compliant media player KOPS800 into any OPS-compatible display
» Based on 3rd generation Intel® Core™ processor technology up to 2x 2.7GHz
» Pre-validated for use with Intel® AIM Suite software and ready for application development and deployment

DSEK-12 Evaluation Kit

The Kontron DSEK-12 development kit is a media player system that leverages the capabilities of the Kontron OPS-compliant media player KOPS800 systems to make development of digital signage solutions easier. This modular solution ensures that signage developers can begin prototyping right away because they are able to focus purely on application-specific SW development without worrying about the rest of the system. Once software development is completed, the designer can use either the entire DSEK-12 in the field or un-mate the Kontron OPS-compliant media player KOPS800 and deploy just the KOPS800 directly into any OPS compatible monitor. Kontron, in collaboration with Intel® and Microsoft, has pre-validated all core hardware and OS elements of the kit including pre-validation of the Intel® AIM Suite software. Demo samples of content management software included with the DSEK-12 include: the Intel® AIM Suite with Flypaper and Scala. Also included is a 180-day evaluation Windows Embedded O/S (Windows Embedded Standard 7, Windows Embedded POSReady 7, Windows 7 Professional, 64-bit).

Benefits of Digital Signage Development with DSEK-12

1) DSEK-12 brings down cost of development by allowing flexibility in display choices for development (i.e. no need to buy a display until all application-specific SW development is complete)

2) Allows rapid/immediate deployment post-development by removing the Kontron OPS-compliant media player KOPS800 from the DSEK-12 and deploying in the field

3) DSEK-12 can be powered on it's own as a standalone media player (i.e. as a standalone media player) – The Kontron OPS-compliant media player KOPS800 that is in the DSEK-12 needs to use either the power through insertion in a OPS-capable display or via it's docking in the DSEK-12

The modular approach of the DSEK-12 enables optimal scalability for graphics and processing performance without sacrificing development schedules or overall time to market. The modular design of this kit together with the Kontron OPS-compliant media player KOPS800 (itself a fully deployable system) simplifies application development, end devices installation, usage, maintenance as well as future upgrades.

- DSEK-12 is a Kontron OPS-compliant media player KOPS800 plugged into an enclosure that provides power and makes accessible key display interfaces for additional Display Port, HDMI and VGA
- DSEK-12 saves the developer money by allowing use of low-cost monitors for development purposes.

Field deployment of the Kontron OPS-compliant media player KOPS800 from the DSEK-12 after completion of the development cycle provides additional project cost savings. The ROI benefits are maximized for the digital signage developer, making the DSEK-12 the ideal platform to serve the requirements of intelligent connected signage systems serving markets ranging from Retail and Entertainment to Education and Health Care.



Technical Information

DSEK System	Kontron OPS-compliant media player KOPS800
Processor and Chipset	3rd generation Intel® Core™ processor (Choice of dual-core Intel® Core i5-3610ME processor at 2.7 GHz or dual-core Intel® Core® i7-3517UE at 1.7 GHz) and Mobile Intel® QM77 Express chipset with integrated graphics support
BIOS	UEFI Aptio
System Memory	Dual Channel DDR3-1600 up to 16GB nonECC on BGA, 2 SO-DIMM Sockets (populated 2x 4GB DDR3 by default)
Graphics	Intel© HD Graphics 4000 Driver
Integrated Storage	80GB mSATA harddrive
Display Interfaces	1x HDMI/DVI 1x Display Port (via the OPS connector (Optional DisplayPort for 3rd monitor)
Expansion	mPCIe slot
Audio	Line-In/Line-out Accessible on the front panel
Network	RJ45 LAN connection on front panel 10/100/1000 Ethernet
I/O	2x USB 2.0 ports and 1x USB 3.0 (rear panel) 2x USB 3.0 ports (front panel) 1x COM Rx & TX only port (rear panel)
Additional Features	Intel® vPro™ technology capable Intel® Active Management Technology 8.0 supported TPM 1.2, Watchdog, IR Remote (for system ON/OFF/RESET) VESA 75 & 100 mounting compliant Kensington Lock Hole for mechanical security Can be set to <22dB idle mode for reduced fan noise
Power & System Management	12VDC IN power supply 1x Power and 1x Reset buttons accessible on the front panel LED Function Indicator lights (1 each) on front panel for HDD, WiFi, and 3G (optional)
Input Voltage	12V to 19V DC input
Power Consumption	35W estimated max, Based on TDP of Intel® Core™ i5-3610ME processor and 17W estimated max, based on TDP of Intel® Core® i7-3517UE processor
Supported O/S	Windows Embedded Standard 7, Windows Embedded POSReady 7, Windows 7 Professional, 64Bit Supported
Dimensions (WxHxD)	200 x 39.4 x 175mm (OPS compliant) with a Matte-finish case
Weight	1.5kg (3.3lb)
Operating Temperature	0°C to 40°C
Certification (Regulatory test reports available upon request)	IEC 60950-1, Edition 2 EN 55022 and FCC Part 15, Class B EN 55024 Wireless DCL China RoHS Safety, EMI, EMC, and RF including MPE RoHS, REACH, and WEE compliant

Ordering Information

Article	Part No.	Description
DSEK12 i5-3610ME	DSEK1227i5-000	Kontron DSEK kit with the Intel® Core™ i5-3610ME processor w/ Fan
DSEK12 i7-3517UE	DSEK1217i7-000	Kontron DSEK kit with the Intel® Core™ i7-3517UE processor fanless

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