HPW 410

HIGH PERFORMANCE WORKSTATION

▶ industrial grade for challenging environments – robust, reliable and sustainable
▶ single or dual Intel® XEON® E5 for high performance applications
▶ up to 3 high performance GPGPU expansion cards for extensive graphics
▶ modular concept allows easy customization
▶ low noise design

POSSIBILITIES START HERE **kontron**

HPW 410

Kontron's HPW 410 has been designed for demanding environments and sophisticated industrial applications handling big amounts of data and to satisfy high requirements in computing and GPU power.

Characterized by customizable features like removable drives, single or dual Intel® XEON® E5 processors and up to 3 GPGPU

expansion cards, the HPW 410 is ideally suited not only for high performance shop floor applications, but due to its low noise level (< 40 dBa) just as much for noise sensitive environments.

Superior reliability, extended operational performance and easy maintenance contribute towards maximization of ROI while at the same time minimizing service and maintenance costs.

▶ TECHNICAL INFORMATION

	SINGLE	DUAL
SYSTEM	HPW 410	HPW 410
DIMENSION	177 x 482 x 472 mm (4U x 19" x 18.58")	177 x 482 x 472 mm (4U x 19" x 18.58")
WEIGHT	Approx. 20 kg	Approx. 20 kg
PROCESSOR	Intel® XEON® E5-2600 v4 series	Intel® XEON® E5-2600 v4 series
RAM	Up to 128 GByte (per processor)	Up to 128 GByte (per processor)
FRONT I/OS	2x USB 3.0	2x USB 3.0
REAR I/OS	2x USB 3.0 4x USB 2.0 2x LAN Audio 1x RS232 (optional)	2x USB 3.0 2x USB 2.0 2x LAN 1x RS232 (optional) 1x VGA
INTERNAL DRIVES*	2.5" SSD 2.5" HDD 3.5" HDD	2.5" SSD 2.5" HDD 3.5" HDD
REMOVABLE DRIVES*	DVD R/W 2x 2,5" HDD/SSD removable 2x 2.5" HDD removable 1x 3.5" HDD removable 3x 3.5" HDD removable	DVD R/W 2x 2,5" HDD/SSD removable 2x 2.5" HDD removable 1x 3.5" HDD removable 3x 3.5" HDD removable
POWER SUPPLY	100 - 240 V AC (80+)	100 - 240 V AC (80+)
EXPANSION SLOTS	2x PCIe x 1 GEN2 3x PCIe x 4 GEN3 2x PCIe x16 GEN3	1x PCIe x 4 GEN2 1x PCIe x 8 GEN3 4x PCIe x16 GEN3
CERTIFICATIONS	CE, designed to meet UL	CE, designed to meet UL
ALTITUDE	3.000 m	3.000 m
SHOCK**, ACCORDING TO EN 60068-2-27	Operating: 15 G 11 ms duration	Operating: 15 G 11 ms duration
VIBRATION**, ACCORDING TO EN 60068-2-6	Operating: 10-500 Hz: 1G/3 axis	Operating: 10-500 Hz: 1G/3 axis
OPERATING TEMPERATURE	0 °C to +50 °C	0 °C to +50 °C
STORAGE TEMPERATURE	-20 °C to +70 °C	-20 °C to +70 °C
HUMIDITY	93 % @ 40 °C, non-condensing	93 % @ 40 °C, non-condensing
MTBF	50.000 h ***	50.000 h ***
NOISE LEVEL	<35 dB(A)	<36 dB(A)
SECURITY	Kontron APPROTECT	Kontron APPROTECT
VERIFIED OS	Windows 7/10 Windows Server 2012 R2 Red Hat Linux	Windows 10 Windows Server 2012 R2 Red Hat Linux

*) optional, not all combinations possible
**) no HDD / rack version only
***) depending on configuration

▶ CORPORATE OFFICES

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