KISS 2U SHORT V3 CFL

Scalable Rackmount System for challenging and noise sensitive environments

- Industrial grade for challenging environments – robust, reliable and sustainable
- High processing capability: up to 8th Gen Intel® Core™ i7/i5/i3 or Intel® Xeon®-E
- Modular concept allows easy customization
- Low noise level
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Kontron’s KISS rackmount servers are designed and tested for challenging environments, and are therefore the perfect fit for high temperature and mechanical stress conditions. Industrial grade design, in combination with high processing performance allows industrial applications requiring high performance and storage capabilities, e.g. high-end image processing and SCADA/MES applications. The new KISS rackmount servers are ideally suited even for complex computing tasks such as ‘Artificial Intelligence’ (AI) and machine learning based on processing and analytics of a huge amount of data.

TECHNICAL INFORMATION

<table>
<thead>
<tr>
<th>SYSTEM</th>
<th>KISS 2U Short V3 CFL</th>
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<tbody>
<tr>
<td>DIMENSION</td>
<td>88 x 482 x 350 mm (2U x 19” x 13.78”)</td>
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<tr>
<td>WEIGHT</td>
<td>Approx. 7 kg</td>
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| PROCESSOR   | Intel® Xeon® E-2100 series  
8th Gen Intel® Core™ i7/i5/i3 series |
| RAM         | 4x DIMM DDR4-2666 up to 64 GByte  
ECC support optional |
| FRONT I/OS  | 2x USB 2.0, optional 2x USB 3.0 |
| REAR I/OS   | 4x USB 3.1, 4x USB 2.0, 2x GB LAN, 1x DVI-D, 2x DP  
1x RS232, 1x Mouse, 1x Kbd, 1x Audio |
| DRIVE OPTIONS | 1x DVD R/W slim  
1x 3.5" SATA drive bay  
1x 2.5"/3.5" SATA drive internal  
1x M.2 2280 PCIe drive  
RAID support |
| POWER SUPPLY | 100-240 V AC 400 W (80+) |
| EXPANSION SLOTS | 4 Slots PCIe (Low Profile) or 3 Slots PCIe (Full High) |
| EXPANSION CARDS | NVIDIA Quadro P620, 2x GByte LAN, 2x 10 GByte LAN, others on request |
| CERTIFICATIONS | CE, FCC, NRTL (UL 62368-1), CB (IEC 62368-1) |
| ALTITUDE     | 5000 m operating |
| SHOCK* ACCORDING TO EN 60068-2-27 | Operating: 15 G 11 ms duration  
Non-operating: 30 G 11 ms duration |
| VIBRATION ACCORDING TO EN 60068-2-6 | Operating: 10-150 Hz: 1G/3 axis  
Non-operating: 10-150 Hz: 2G/3 axis |
| OPERATING TEMPERATURE | 0 °C to +50 °C continuous operation |
| STORAGE TEMPERATURE | -20 °C to +70 °C |
| HUMIDITY     | 10 % to 93 % @40 °C, non-condensing |
| MTBF         | > 50.000 h |
| VERIFIED OS  | Windows 10 64 bit LTSC  
Linux Ubuntu 18.04  
others on request |

*) no HDD

Efficient thermal concepts, maintenance-free and customizable designs, high performance computing and graphics power enable 24/7 operation and long-term deployment. A high degree of customization is facilitated through features like removable drives and various expansion cards.

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