

# » KISS 4U Short KTQ45/Flex «



## 4U Open Solution

- » Core™ Duo, Core™ 2 Duo, Core™ 2 Quad
- » Embedded Flex ATX Mainboard supporting AMT
- » Up to 8 GB DDR3
- » RAID Subsystem KISS Stor 1 or KISS Stor 0/5

# KISS 4U Short KTQ45/Flex

## Kontron Industrial Silent Server

The KISS 4U Short has been designed with flexibility in mind and can accommodate Flex ATX motherboards, all in a case that can be used as a tower, desktop or 19" rack mounted chassis. The main attraction of KISS servers is their extremely low noise level: they are inaudible against normal conversation. KISS IPC servers are therefore ideal for most noise-sensitive environments, such as hospital operating theaters and computer server rooms.

The performance and configuration of KISS servers are based on Kontron's extensive range of CPU boards and backplanes, which allows them to be adapted to meet a very wide range of requirements. Redundant PSUs, RAID Subsystem KISS Stor and Remote Diagnostic Software make KISS family a high reliable and contiguous operating industrial Server. Extra accessories adapt KISS to precisely meet your specific requirements.

### Technical Information

|   |  |
|---|--|
| <b>System</b>                                   | KISS 4U Short KTQ45/Flex                               |
| <b>Product Line</b>                             | KISS 4U Short V2                                       |
| <b>Dimension (H x W x D)</b>                    | 177mm x 482mm x 300 mm (4U x 19" x 11,81")             |
| <b>Weight</b>                                   | Approx. 12 kg  |
| <b>Interfaces Front</b>                         | 2 x USB 2.0  |
| <b>Interfaces of the installed board (rear)</b> | 8 x USB 2x GB LAN,PS/2 M+K, 2* RS232, 1x VGA, HD Audio |
| <b>Controls on the frontside</b>                | ATX Switch, Reset                                      |
| <b>External accessible drive bays</b>           | 2* 5,25" 1* 3,5" 1* Slim Line                          |
| <b>Internal drive bays</b>                      | 1 x 3.5" (no SLIM Line)                                |
| <b>Power supply</b>                             | AC 400 W (80+) optional DC 24V or DC 48V               |
| <b>Expansion slots</b>                          | 1* PCI_e x 16, 1* PCI_e x 4, 2* PCI 32 Bit             |
| <b>Memory</b>                                   | Up to 8 GB DDR3  |
| <b>Processor</b>                                | Core 2 Duo E8400<br>Core 2 Quad E9400                  |
| <b>Temperature</b>                              |  |
| non-operating                                   | -20°C to 70°C (-4°F to 158°F)                          |
| operating                                       | 0°C to 55°C (60 °C at 10% POH per month)               |
| <b>Humidity</b>                                 |  |
| non-operating                                   | 10-90 %  |
| operating                                       | 10-95 % rel humidity non condensing                    |
| <b>Shock</b>                                    |  |
| non-operating                                   | 30g, 11ms  |
| operating                                       | 15g, 11ms  |
| <b>Vibration</b>                                |  |
| operating                                       | 10-500 Hz, 1g  |
| storage   | 10-500 Hz, 2g  |
| <b>Noise</b>                                    | < 35 dBA   |
| <b>Approvals</b>                                | CE, designed to meets UL                               |
| <b>MTBF</b>                                     | 50,000 h   |
| <b>Protection Class</b>                         | IP 20 front , optional IP 52                           |
| <b>Options</b>                                  | DVD ROM, DVD RW<br>KISS Stor1, KISS Stor 0/5           |

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