SMARTCASE™ S720
Chassis Kit Solution

Industrial chassis for enhanced operating temperature range

- Compact Design (250 x 52 x 191 mm)
- Dual Front USB 3.1 Connectors
- Low Profile Extension Slot
- Option for Internal 65W PSU Module
- Horizontal and Vertical Stand plus Wall Mount Bracket
## TECHNICAL INFORMATION

### CHASSIS DATA

<table>
<thead>
<tr>
<th>DIMENSIONS</th>
<th>COLOUR</th>
<th>WEIGHT</th>
</tr>
</thead>
<tbody>
<tr>
<td>250 x 52 x 191 mm (W x H x D)</td>
<td>black</td>
<td>~ 1 kg</td>
</tr>
</tbody>
</table>

### SUPPORTED MOTHERBOARDS

- D3433-S
- D3434-S
- D3633-S
- D3634-S

Processors up to 35W TDP

### ENVIRONMENTAL CONDITIONS

<table>
<thead>
<tr>
<th>OPERATING TEMPERATURE</th>
<th>HUMIDITY</th>
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<tr>
<td>0 °C – 45 °C*</td>
<td>5 % - 85 % relative humidity (non-condensing)</td>
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### CHASSIS FAN SPECIFICATION

- MTBF: 70,000 hours @ 40 °C
- OPERATING TEMPERATURE: -10 °C – 70 °C
- PWM (4 pin), 40 x 40 x 10mm
- 1750 – 5.500 rpm (nominal)/ 900 - 5.000 rpm (nominal, from chassis revision 03)
- Two ball bearing

### RECOMMENDED COOLING SOLUTIONS

- Kontron
- EKL
- HSM Zamecki
- SilverStone

### REQUIREMENTS FOR AC ADAPTER

- DC OUTPUT: 12 V +/-5 %
- DC OUTPUT PLUG OPTIONAL: 5,5 x 2,5 x 12 mm
- Lockable DC Output Plug (optional)

Important Note: Compliance with IEC 62368-1 according clause 6.2.2. to power source category PS2 (“Limited Power Source”) required!

### LOCKABLE DC INPUT JACK

- MODEL ONBOARD: Switchcraft LT122RA or compatible

### APPROvals & CERTIFICATIONS

- EMCC: CE Class B, Industrial Immunity (EN 61000-6-2), FCC Class B (verified)

### PACKAGE CONTENT

- Chassis bottom/top incl. front bezel; I/O with integrated EMI gasket
- DC input connector with EMC filter and internal cabling
- HDD carrier incl. 4 pin PWM fan
- Riser card holder incl. power button / power LED and intrusion switch
- HDD SATA cable for one drive
- SATA power cable
- Wall mount metal brackets
- Motherboard mounting screws
- SSD/daughterboard incl. system fan
- Intrusion switch
- 2.5” drive space (no cover)
- Additional serial port

### CHASSIS FEATURES

- THEFT PROTECTION: Kensington lock support
- Mechanical lock for DC-In connector
- Intrusion Support
- 2.5” Drive
- WLAN antenna via (RP-)SMA connector
- PCIe riser (PCIe x4, low profile)
- Additional serial port

*Chassis ambient temperature

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Aperture for additional serial port and WLAN (RP-) SMA connector (Ø 7.2 mm)

Integrated EMI gasket

DC-In Filter Board

Mounting space for 2.5” Drive or internal 12V PSU module

Integrated HDD / system fan

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www.kontron.com
### ARTICLE PART NO. DESCRIPTION

**CHASSIS KIT SOLUTION**
- F5000-J003 10 pcs

**ACCESSORIES**
- **ADDITIONAL SERIAL PORT CABLE**
  - F5000-K005 for D343x-S
  - F5000-K010 for D363x-S
- PCIe RISER CARD D3318
  - F5000-R006 4 PCIe Lanes
- MINI-PCIE TO M.2 ADAPTER
  - F5000-M003 For M.2 WLAN (2230, Key-E)
- INTERNAL PSU MODULE
  - F5000-P004 12 V Internal PSU
- RECOMMENDED AC ADAPTER
  - FSP GROUP INC.
    - FSP060-DIBAN2 12 V/60 W
  - BICKER
    - BET-0612M 12 V/60 W (medical)
    - BET-0612-B5 12 V/60 W (industrial)
- SLIM HEATSINK
  - F5000-C011 Active cooler, 35 W TDP

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**GLOBAL HEADQUARTERS**

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