

# SMARTCASE™ FAMILY



## ▶ SMALL-SIZED KIT SOLUTIONS

Mini-STX and Mini-ITX Chassis for industrial applications, digital signage and more

## ▶ CERTIFIED ON SYSTEM LEVEL

CE and FCC/B approved

## ▶ FLEXIBLE CONFIGURATION

Kit Solutions with lot of expandabilities

## SMARTCASE™ FAMILY



Besides the Industrial Motherboard portfolio we provide the compact and stylish SMARTCASE™ solutions. Approved for EMC according to CE and FCC/B, the chassis family is applicable in different areas with high demands, e.g. industry or digital signage. It's a modularized, compact and flexible IPC Chassis family. In addition, they are thermally approved up to 45 °C and integrate a 2.5" drive bay for HDD/SDD with cooler as well as further expandability options eager graphics cards or Bluetooth/WiFi.



### SMARTCASE™ SOLUTIONS ARE APPLICABLE IN DIFFERENT VERTICAL MARKETS:

- ▶ Digital Signage
- ▶ Gambling
- ▶ Vending/POS/ATM/Kiosk/Ticketing
- ▶ Industrial Automation

### About Kontron – Member of the S&T Group

Kontron is a global leader in IoT/Embedded Computing Technology (ECT). As a part of technology group S&T, Kontron offers a combined portfolio of secure hardware, middleware and services for Internet of Things (IoT) and Industry 4.0 applications. With its standard products and tailor-made solutions based on highly reliable state-of-the-art embedded technologies, Kontron provides secure and innovative applications for a variety of industries. As a result, customers benefit from accelerated time-to-market, reduced total cost of ownership, product longevity and the best fully integrated applications overall.

For more information, please visit: [www.kontron.com](http://www.kontron.com)

### About the Intel® Partner Alliance

From modular components to market-ready systems, Intel and the over 1,000+ global member companies of the Intel® Partner Alliance provide scalable, interoperable solutions that accelerate deployment of intelligent devices and end-to-end analytics. Close collaboration with Intel and each other enables Alliance members to innovate with the latest IoT technologies, helping developers deliver first-in-market solutions.

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## SMARTCASE™ S500

<b>CHASSIS DATA</b>	<b>FORMFACTOR DIMENSIONS</b>	Mini-STX 36 x 147 x 165 mm (W x H x D) 0.87 l black ~ 0.4 kg
<b>CPU SUPPORT</b>	<b>PROCESSOR SOCKET</b>	Intel® BGA
<b>SUPPORTED MOTHERBOARDS</b>		D3544-S1, D3544-S2, D3544-S3
<b>ENVIRONMENTAL CONDITIONS</b>	<b>OPERATING TEMPERATURE</b>	Passive heatsink (fanless): 0 °C - 40 °C* Active heatsink (with Fan): 0 °C - 50 °C*
	<b>HUMIDITY</b>	5 % - 85 %
<b>CHASSIS/SYSTEM FAN SPECIFICATION</b>	<b>MTBF OPERATING TEMPERATURE</b>	- -
<b>REQUIREMENTS FOR AC ADAPTER</b>	<b>DC INPUT DC PLUG</b>	8-24 V +/- 5 % Ø 2.5 mm/5.5 mm
<b>APPROVALS &amp; CERTIFICATIONS</b>	<b>CE CLASS B INDUSTRIAL IMMUNITY FCC CLASS B (VERIFIED)</b>	yes yes yes
<b>CHASSIS FEATURES</b>	<b>THEFT PROTECTION</b>	Kensington lock support
	<b>MOUNTING OPTIONS</b>	Internal WLAN antenna kit (2 antennas - integrated in chassis front) Rear COM port (incl. RS-232, RS-422, RS-485) Rear USB Type-C connector (USB 3.1 gen1) Wall Mount Kit, VESA Kit, DC-In Holder

## SMARTCASE™ S520

<b>CHASSIS DATA</b>	<b>FORMFACTOR DIMENSIONS</b>	Mini-STX 36 x 147 x 165 mm (W x H x D) 0.87 l black ~ 0.4 kg
<b>CPU SUPPORT</b>	<b>PROCESSOR SOCKET</b>	Intel® LGA
<b>SUPPORTED MOTHERBOARDS</b>		D3654-B, D3664-B
<b>ENVIRONMENTAL CONDITIONS</b>	<b>OPERATING TEMPERATURE</b>	0 °C - 40 °C*
	<b>HUMIDITY</b>	5 % - 85 %
<b>CHASSIS/SYSTEM FAN SPECIFICATION</b>	<b>MTBF OPERATING TEMPERATURE</b>	- -
<b>REQUIREMENTS FOR AC ADAPTER</b>	<b>DC INPUT DC PLUG</b>	19 V +10 %/-15 % Ø 2.5 mm/5.5 mm
<b>APPROVALS &amp; CERTIFICATIONS</b>	<b>CE CLASS B INDUSTRIAL IMMUNITY FCC CLASS B (VERIFIED)</b>	yes yes yes
<b>CHASSIS FEATURES</b>	<b>THEFT PROTECTION</b>	Kensington lock support
	<b>MOUNTING OPTIONS</b>	Internal WLAN antenna kit (2 antennas - integrated in chassis front) Wall Mount, VESA Kit, DC-in holder

## SMARTCASE™ S511

<b>CHASSIS DATA</b>	<b>FORMFACTOR DIMENSIONS</b>	Mini-STX 36 x 147 x 165 mm (W x H x D) 0.87 l black ~ 0.4 kg
<b>CPU SUPPORT</b>	<b>PROCESSOR SOCKET</b>	AMD® BGA
<b>SUPPORTED MOTHERBOARDS</b>		D3714-R
<b>ENVIRONMENTAL CONDITIONS</b>	<b>OPERATING TEMPERATURE</b>	-10 °C ... +35 °C (max. 8 W/10 W TDP, horizontal position) -10 °C ... +40 °C (max. 10 W TDP, vertical position only)
	<b>HUMIDITY</b>	5 % - 85 %
<b>CHASSIS/SYSTEM FAN SPECIFICATION</b>	<b>MTBF OPERATING TEMPERATURE</b>	- -
<b>REQUIREMENTS FOR AC ADAPTER</b>	<b>DC INPUT DC PLUG</b>	Dual-Range: 12 V or 19-28 V Ø 2.5 mm/5.5 mm
<b>APPROVALS &amp; CERTIFICATIONS</b>	<b>CE CLASS B INDUSTRIAL IMMUNITY FCC CLASS B (VERIFIED)</b>	yes yes yes
<b>CHASSIS FEATURES</b>	<b>THEFT PROTECTION</b>	Kensington lock support
	<b>MOUNTING OPTIONS</b>	Internal WLAN antenna kit (2 antennas - integrated in chassis front) Wall Mount VESA Kit DC-in holder Rear COM port (incl. RS-232, RS-422, RS-485)

## SMARTCASE™ S700

<b>CHASSIS DATA</b>	<b>FORMFACTOR DIMENSIONS</b>	Mini-ITX 250 x 52 x 191 mm (W x H x D) 2.48 l satin black ~ 1 kg
<b>CPU SUPPORT</b>	<b>PROCESSOR SOCKET</b>	Intel® BGA
<b>SUPPORTED MOTHERBOARDS</b>		D3543-S1, D3543-S2, D3543-S3
<b>ENVIRONMENTAL CONDITIONS</b>	<b>OPERATING TEMPERATURE</b>	Passive heatsink (fanless): 0 °C - 35 °C* Active heatsink (with Fan): 0 °C - 50 °C*
	<b>HUMIDITY</b>	5 % - 85 %
<b>CHASSIS/SYSTEM FAN SPECIFICATION</b>	<b>MTBF OPERATING TEMPERATURE</b>	70.000 hours @ 40 °C PWM (4 pin), 40 x 40 x 10mm 900 - 5.000 rpm (nominal) Two ball bearing
<b>REQUIREMENTS FOR AC ADAPTER</b>	<b>DC INPUT DC PLUG</b>	8-24 V +/- 5 % Ø 2.5 mm/5.5 mm
<b>APPROVALS &amp; CERTIFICATIONS</b>	<b>CE CLASS B INDUSTRIAL IMMUNITY FCC CLASS B (VERIFIED)</b>	yes yes yes
<b>CHASSIS FEATURES</b>	<b>THEFT PROTECTION</b>	Two front USB ports Kensington lock support Mechanical lock for DC-In connector Intrusion Support
	<b>MOUNTING OPTIONS</b>	WLAN antenna via (RP-) SMA connector PCIe riser (PCIe x4, low profile) Two rear COM ports (COM3, COM4); one port incl. RS-232, RS-422, RS-485

## SMARTCASE™ S711

<b>CHASSIS DATA</b>	<b>FORMFACTOR DIMENSIONS</b>	Mini-ITX 250 x 52 x 191 mm (W x H x D) 2.48 l satin black ~ 1 kg
<b>CPU SUPPORT</b>	<b>PROCESSOR SOCKET</b>	AMD® BGA
<b>SUPPORTED MOTHERBOARDS</b>		D3713-R, D3713-V
<b>ENVIRONMENTAL CONDITIONS</b>	<b>OPERATING TEMPERATURE</b>	Passive heatsink (fanless): -10 °C ... +35 °C (max. 15 W TDP, vertical/horizontal pos.)* -10 °C ... +40 °C (max. 12 W TDP, vertical position only)* Active heatsink (with Fan): -10 °C ... +45 °C (max. 35 W TDP, vertical/horizontal pos.)*
	<b>HUMIDITY</b>	5 % - 85 %
<b>CHASSIS/SYSTEM FAN SPECIFICATION</b>	<b>MTBF OPERATING TEMPERATURE</b>	70.000 hours @ 40 °C PWM (4 pin), 40 x 40 x 10mm 900 - 5.000 rpm (nominal) Two ball bearing
<b>REQUIREMENTS FOR AC ADAPTER</b>	<b>DC INPUT DC PLUG</b>	8 V-36 V (5 A max./65 W max.) Ø 2.5 mm/5.5 mm
<b>APPROVALS &amp; CERTIFICATIONS</b>	<b>CE CLASS B INDUSTRIAL IMMUNITY FCC CLASS B (VERIFIED)</b>	yes yes -
<b>CHASSIS FEATURES</b>	<b>THEFT PROTECTION</b>	Two front USB ports Kensington lock support Mechanical lock for DC-In connector Intrusion Support
	<b>MOUNTING OPTIONS</b>	WLAN antenna via (RP-) SMA connector PCIe riser (PCIe x4, low profile) Two rear COM ports (COM3, COM4) 2.5" Drive (HDD/SSD)

## SMARTCASE™ S720

<b>CHASSIS DATA</b>	<b>FORMFACTOR DIMENSIONS</b>	Mini-ITX 250 x 52 x 191 mm (W x H x D) 2.48 l black ~ 1 kg
<b>CPU SUPPORT</b>	<b>PROCESSOR SOCKET</b>	Intel® LGA
<b>SUPPORTED MOTHERBOARDS</b>		D3633-S, D3634-S
<b>ENVIRONMENTAL CONDITIONS</b>	<b>OPERATING TEMPERATURE</b>	0 °C - 45 °C*
	<b>HUMIDITY</b>	5 % - 85 %
<b>CHASSIS/SYSTEM FAN SPECIFICATION</b>	<b>MTBF OPERATING TEMPERATURE</b>	70.000 hours @ 40 °C PWM (4 pin), 40 x 40 x 10 mm 900 - 5.000 rpm (nominal) Two ball bearing
<b>REQUIREMENTS FOR AC ADAPTER</b>	<b>DC INPUT DC PLUG</b>	12 V +/- 5 % 5.5 x 2.5 x 12 mm Lockable DC Plug (optional)
<b>APPROVALS &amp; CERTIFICATIONS</b>	<b>CE CLASS B INDUSTRIAL IMMUNITY FCC CLASS B (VERIFIED)</b>	yes yes yes
<b>CHASSIS FEATURES</b>	<b>THEFT PROTECTION</b>	Two front USB ports Kensington lock support Mechanical lock for DC-In connector Intrusion Support
	<b>MOUNTING OPTIONS</b>	WLAN antenna via (RP-) SMA connector PCIe riser (PCIe x4, low profile) Additional serial port 2.5" Drive

\*Chassis ambient temperature; upper limit depends on system configuration



D3544-S mSTX



D3664-B mSTX



D3714-R mSTX



D3543-S mITX



D3713-V/R mITX



D3633-S mITX



D3654-B mSTX



D3634-S mITX