

Fujitsu OEM Systemboard IPC Building Blocks – Kit Solutions

SMARTCASE™

- S series => standard industrial applications
- I series => industrial applications with demand for IP5x class

FUJITSU SMARTCASE™ S series



SMARTCASE™ S500



mainboard

SMARTCASE™ S520



mainboard

SMARTCASE™ S700



mainboard

SMARTCASE™ S710



mainboard

SMARTCASE™ S720



mainboard

Key Features:

- Mini-STX [D3544-S](#)
- INTEL Gemini Lake (3 SKUs)
- 8V – 24V DC in
- 36x146.9x164mm (0.87!)
- Front Connectivity (Audio, 2x USB3.0)
- Option for USB3.1 Type C
- Option for COM
- Option for WiFi (M.2 Intel 9260 – antenna integrated into front bezel)
- Stands, VESA & Wall mount

Key Features:

- Mini-STX [D3654-S](#)
- INTEL 8th gen Core LGA1151
- 19VDC in
- 36x146.9x164mm (0.87!)
- Front Connectivity (Audio, 2x USB3.1, USB Type C)
- Option for USB3.1 Type C
- Option for WiFi (M.2 Intel 9260 – antenna integrated into front bezel)
- Stands, VESA & Wall mount

Key Features:

- Mini-ITX [D3543-S](#)
- INTEL Gemini Lake (3 SKUs)
- 8V – 36V DC in
- 52x250x191mm (2.48l)
- 2,5" drive bay for HDD/SSD with cooler
- Low profile PCIe x4 via optional riser card
- Option for internal 65W PSU
- Option for discrete graphics cards AMD Radeon R7
- Wall mount, stands
- Option for WiFi (M.2 Intel 9260 – antenna integrated into front bezel)

Key Features:

- Mini-ITX [D3313-S](#)
- AMD G-Series SoC (4 SKUs)
- 12V / 19 – 24V DC in
- 52x250x191mm (2.48l)
- 2,5" drive bay for HDD/SSD with cooler
- Low profile PCIe x4 via optional riser card
- Option for internal 65W PSU
- Option for discrete graphics cards AMD Radeon R7
- Wall mount, stands

Key Features:

- Mini-ITX [D3433-S](#) and [D3434-S](#)
- INTEL 6th/7th gen Core LGA1151
- MINI-ITX [D3633-S](#) and [D3634-S](#)
- INTEL 8th gen Core LGA1151
- 12V DC in, lockable
- 52x250x191mm (2.48l)
- 2,5" drive bay for HDD/SSD with cooler
- Low profile PCIe x4 via optional riser card
- Option for internal 65W PSU
- Option for discrete graphics cards AMD Radeon R7
- Wall mount, stands

Positioning Card FUJITSU SMARTCASE™ I series (IP5x)



Key Features:

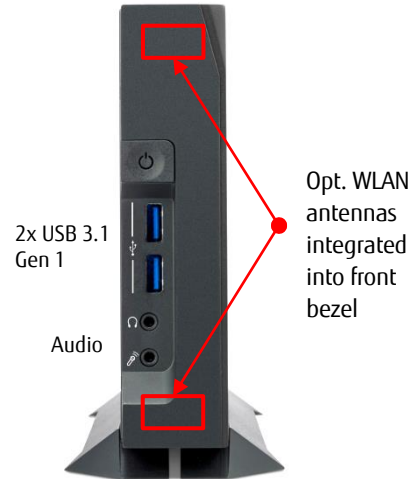
- Mini-ITX [D3433-S](#) and [D3434-S](#)
INTEL 6th/7th gen Core LGA1151
- MINI-ITX [D3633-S](#) and [D3634-S](#)
INTEL 8th gen Core LGA1151
- internal 65W PSU
- 244 x 92.5 x 299.3 mm (w/h/d)
- 2,5" drive bay for SSD with cooler
- Additional configurable 4x COM (RS232/RS485/RS) via D3450 COM extension card
- Intrusion switch
- Kensington lock
- Wall mount

SMARTCASE™ S500 designed for Intel mini-STX [D3544-S](#)

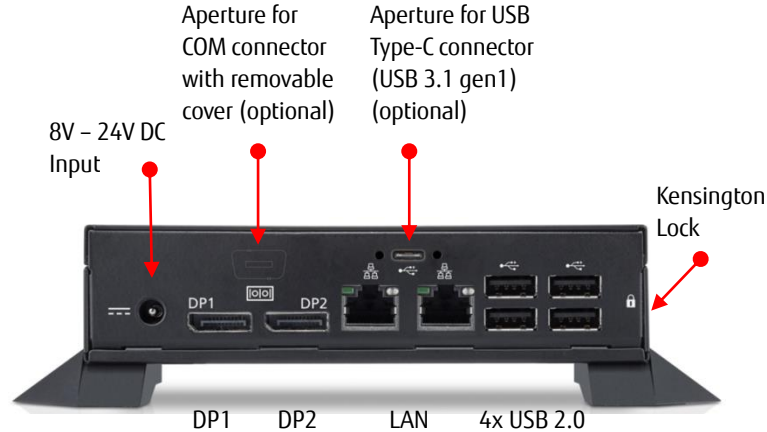


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Front Connectivity



Rear Connectivity



Approvals and Certifications

- Mainboard D3544-Sx certified for MS Windows 10 (RS3)
- System unit approved for enhanced temperature range
- System unit approved according following EMC regulations:
 - CE Class B
 - Industrial Immunity (EN 61000-6-2)
 - FCC Class B (verified)

Cooling Solution



Passive Cooler
10 W GLK (0 - 40°C)



Active Cooler
10 W GLK (0 - 50°C)



USB Typ-C
extension cable



COM Cable w/o
bracket



Wallmount kit



AC Adapter 40W/65W



DC in locker



VESA mount kit



M.2 WiFi Kit

SMARTCASE™ S520 designed for Intel mini-STX D3654-B



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Front Connectivity



Rear Connectivity



Approvals and Certifications

- Mainboard D3654-Sx certified for MS Windows 10 (RS3)
- System unit approved for enhanced temperature range
- System unit approved according following EMC regulations:
 - CE Class B
 - Industrial Immunity (EN 61000-6-2)
 - FCC Class B (verified)

Additional optional Accessories



SMARTCASE™ S700 designed for Intel mini-ITX [D3543-S](#)

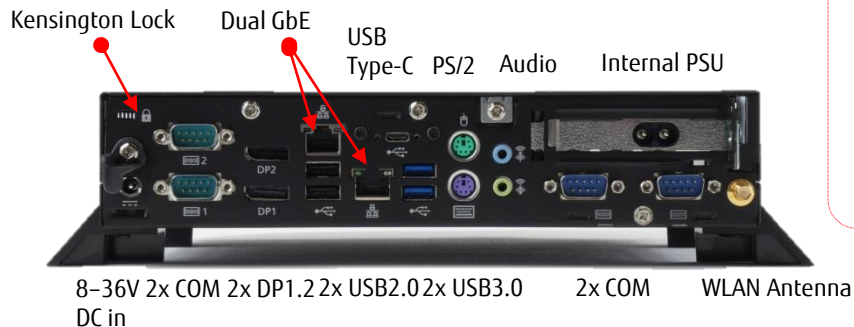


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Front Connectivity



Rear Connectivity



Approvals and Certifications

- Mainboard D3543-Sx certified for MS Windows 10 (RS3)
- System unit approved for enhanced temperature range
- System unit approved according following EMC regulations:
 - CE Class B & Industrial Immunity (EN 61000-6-2)
 - FCC Class B (verified)



Wallmount kit
(included to chassis)

Cooling Solution



Passive Cooler
10 W GLK (0 – 40°C)



Active Cooler
10 W GLK (0 – 50°C)

Additional optional Accessories



Internal 65W PSU



USB Typ-C extension cable



Risercard PCIe x4



AC Adapter 40W/65W



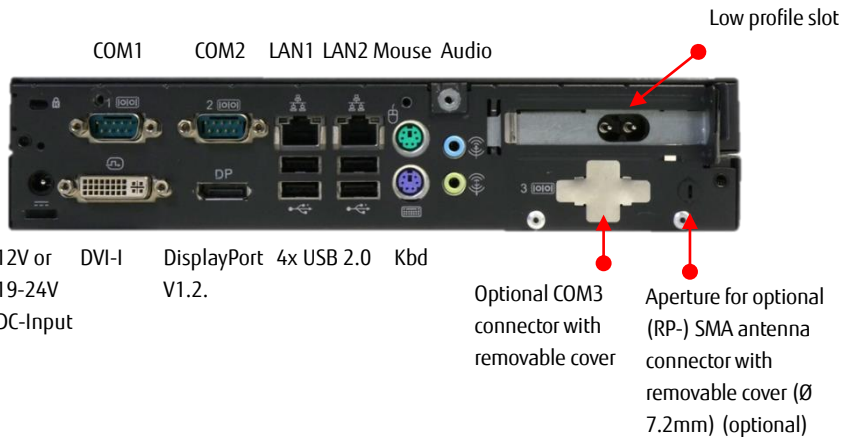
DC in locker
(optional)

SMARTCASE™ S710

designed for AMD mini-ITX [D3313-S](#)



Rear Connectivity



Approvals and Certifications

- Mainboard D3313-S certified for MS Windows 7 & Windows 8.1
- System unit approved according CE EMC regulations
- System unit approved for enhanced temperature range

WLAN antenna installed (customer option)



Wallmount kit (included to chassis)

Cooling Solution



Passive Cooler



Passive Heatpipe



Active Cooler

Additional optional Accessories



Internal 65W PSU



Risercard PCIe x4



Optional TPM



M.2 WLAN Risercard for m-PCIe



AC Adapter 40W/65W



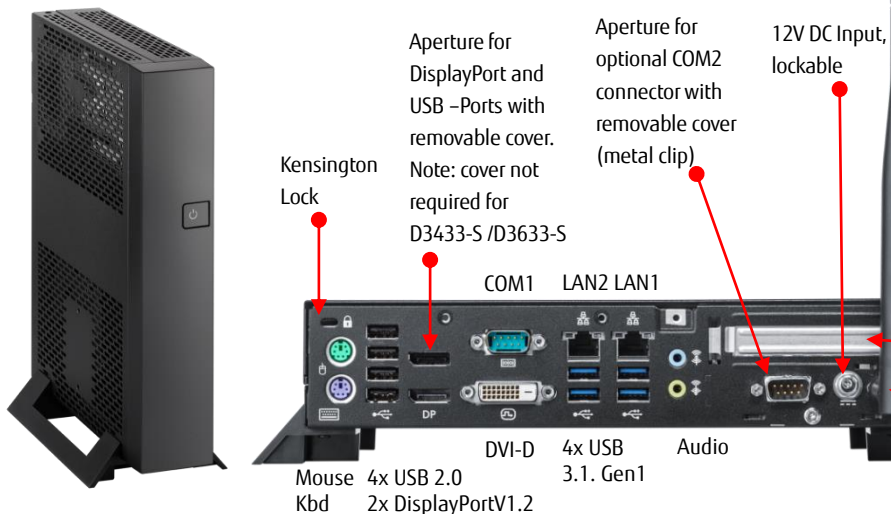
DC in locker (optional)

SMARTCASE™ S720

designed for Intel mini-ITX [D343x-S](#) and [D363x-S](#)



Rear Connectivity

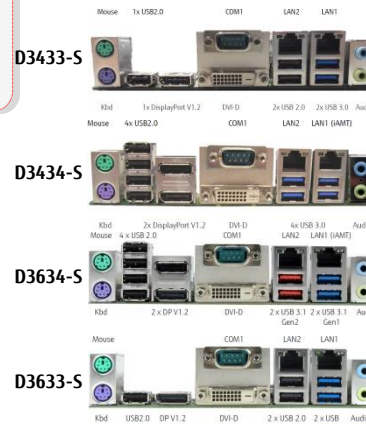


Approvals and Certifications

- Mainboards D343x-S certified for MS Windows 7, 8.1, 10
- Mainboards D363x-S certified for MS Windows 8.1, 10
- System approved according CE EMC regulations
- System approved according FCC/B EMC regulations
- System approved for enhanced temperature range
- Mainboard approved according cCSAus 60950-1



Wallmount kit (included to chassis)



Cooling Solution



1U active heatsink (up to 35W TDP)

Additional optional Accessories



Internal 65W PSU



COM Cable (optional)



Risercard PCIe x4



Serial Port Cable "ATX Slotbracket"



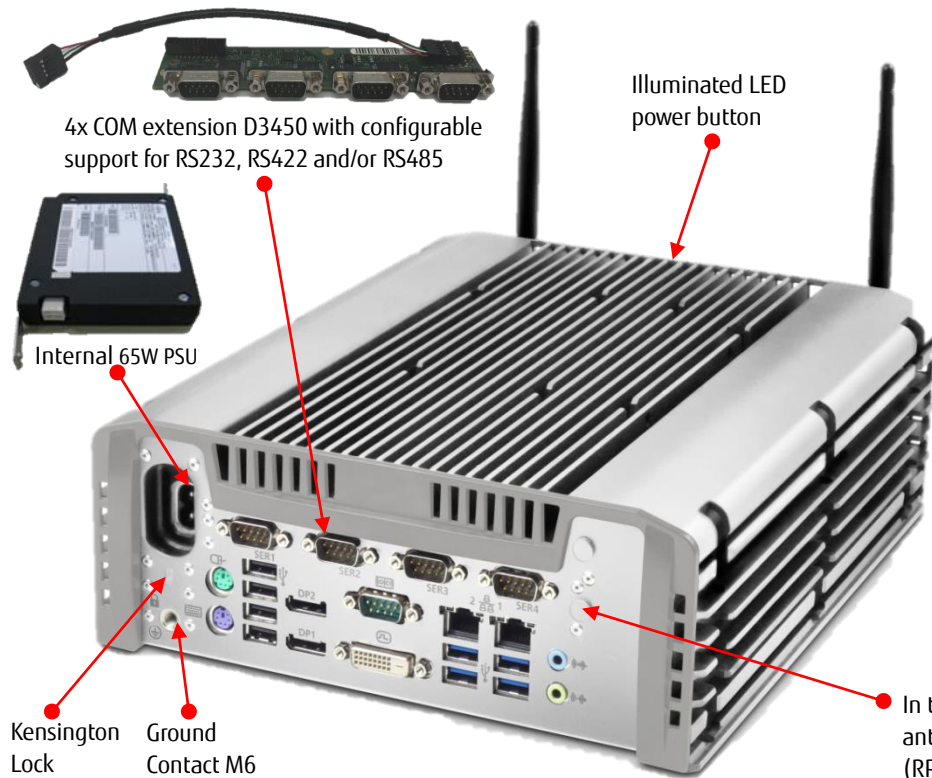
Mini PCIe to M.2 Adapter

SMARTCASE™ I720

designed for Intel mini-ITX [D343x-S](#) and [D363x-S](#)



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Inside features:

- Heatpipe cooling solution:
 - No thermal paste
 - No mainboard deflection and mechanical stress
 - Constant contact pressure with CPU while over lifetime
- Intrusion switch
- 2.5" drive bay included with easy access via separate bottom cover
- Internal 65W PSU

In total 6 outlets for optional Wifi antenna (RP-) SMA antenna connector with removable cover (Ø 7.2mm)



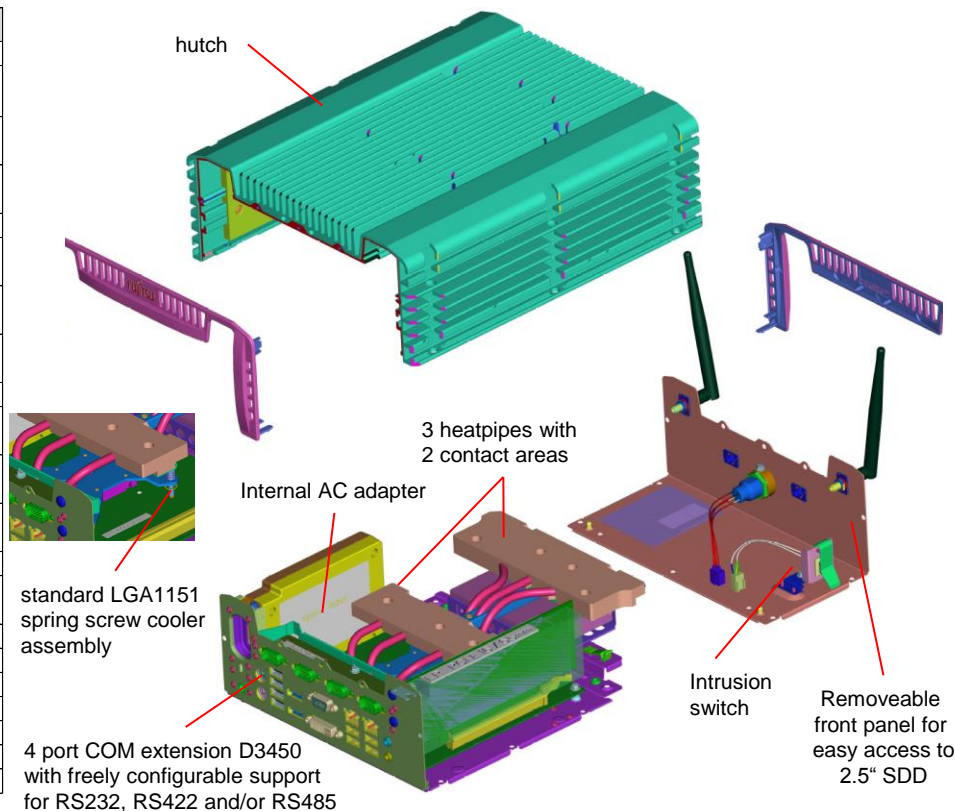
Additional optional Accessories




SMARTCASE™ I720 – Features and Benefits



Attribute	Benefit
Passive cooling with 3 heatpipes and 2 heat transfer	High efficient cooling without rotating fans
Adaption of cooling solution and CPU via standard LGA1151 spring screws (no mainboard deflection)	No mechanical stress to the mainboard No loss of / undefined contact pressure due to lasting deformation of mainboard Constant reproducable contact pressure between cooling solution and CPU
Adaption of cooling solution and top cover (hutch) with screws	Easy opening and closing of top cover (hutch) Constant contact pressure between cooling solution and hutch
Hutch and system unit are independent parts	Easy opening and closing of top cover (hutch) without risk of mechanical damage integrated protection against mechanical stress for heat pipes
IP 50 class	Dust protected
Integrated intrusion switch	Each opening will be detected and recorded in logfiles. Alert via DeskView or other manageability software.
SSD accessible via easy remove of front panel	Easy access to SSD guarantees fast exchange of SSD without opening total system
Integrated 12V power supply connected to hutch	No separate external AC adapter with risk for damage or loss Efficient cooling of AC adapter Possibility for integration of PSU with different DC in value or customized spec - upon request Possibility to add further features
Option for usage of low profile PCIe extension card	
M6 grounding contact	Option for proper grounding of the electrical system
Kensington lock	Antitheft protection
4 additional COM ports	flexible configuration for RS232, RS422 and/or RS485
One chassis kit, 4 different mainboards	
D3433-S and D3434-S	Support for Intel® 6th/7th gen core technology
D3633-S and D3634-S	Support for Intel® 8th gen core technology





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