

FUJITSU Kit Solution (AMD) Industrial Series

Suitable for Industrial Mainboards D3313-S

Industrial chassis for enhanced operating temperature range.
Usable in horizontal and vertical mode

Supported Mainboards:

- D3313-S1 (GX-210HA SOC – 2x 1.0GHz/9W) Dual Core
- D3313-S2 (GX-217GA SOC – 2x 1.65GHz/15W) Dual Core
- D3313-S3 (GX-420CA SOC – 4x 2.00GHz/25W) Quad Core
- D3313-S4 (GX-222GC SOC – 2.20GHz/10-15W) Dual Core
- D3313-S5 (GX-412HC SOC – 1.20GHz/5-7W) Quad Core
- D3313-S6 (GX-424CC SOC – 2.40GHz/25W) Quad Core

Approvals & 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

Product Features:

- HDD/system fan (4 pin PWM) included
- HDD SATA and power cable included
- Chassis desk stand (horizontal/vertical, removable) included
- Chassis wall mount included
- Chassis intrusion support
- Kensington lock support
- Mechanical lock for DC-in power connector
- Mounting option for 2.5" HDD
- Mounting option for WLAN antenna via (RP-)SMA connector
- Mounting option for PCI / PCIe riser (low profile)
- Mounting option for additional serial port

Order Code:

S26361-F5000-J002 (10 pcs)



(Chassis with desk stand)



(Chassis with wall mount)

Features and benefits

Chassis

Size	250 x 52 x 191 mm (w x h x d)
Colour	anthracite
Weight	~ 1kg

Operating Conditions

Temperature range (recommendations)

D3313-S1:
fanless, horizontal or vertical mode 0°C – 35°C 1)

D3313-S1 / S2 / S4:
Heatsink with heatpipe, fanless 0°C – 35°C 1)
horizontal or vertical mode

D3313-S1 / S2 / S3 / S4 / S5:
CPU fan + HDD fan 0°C – 50°C 1)
horizontal or vertical mode

Housing ambient temperature

D3313-S5:
fanless, horizontal or vertical mode 0°C – 40°C

Humidity

10% - 90% relative humidity (non-condensing)

HDD fan specification

PWM (4 pin), 40 x 40 x 10mm

1750 – 5.500 rpm (nominal)

Two ball bearing

Operating temperature range: -10°C – 70°C

MTBF: 70.000 hours @ 40°C

Note: HDD fan not required for D3313-S1 with passive heatsink and D3313-S2 with heatpipe-heatsink (T_{Ambient} ≤ +35°C)

Package content

Chassis bottom/top incl. front bezel; I/O with integrated EMI gasket

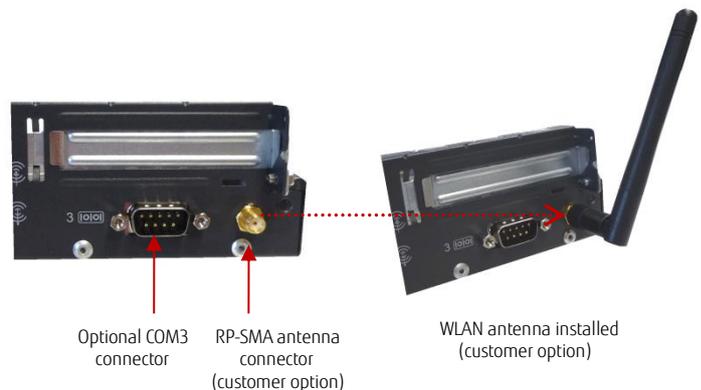
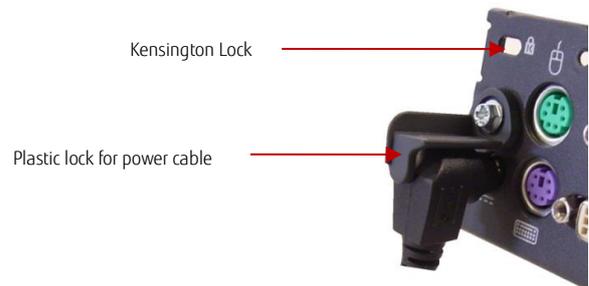
HDD carrier incl. 4 pin PWM fan

Riser card holder incl. power button / power LED and intrusion switch

HDD SATA cable and power cable for one drive (length = 250 mm each)

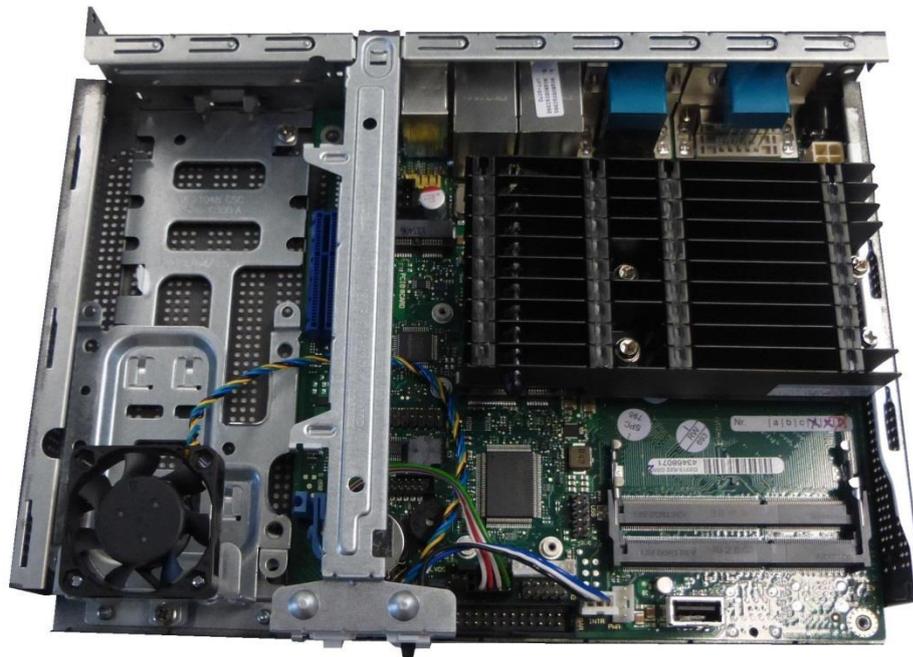
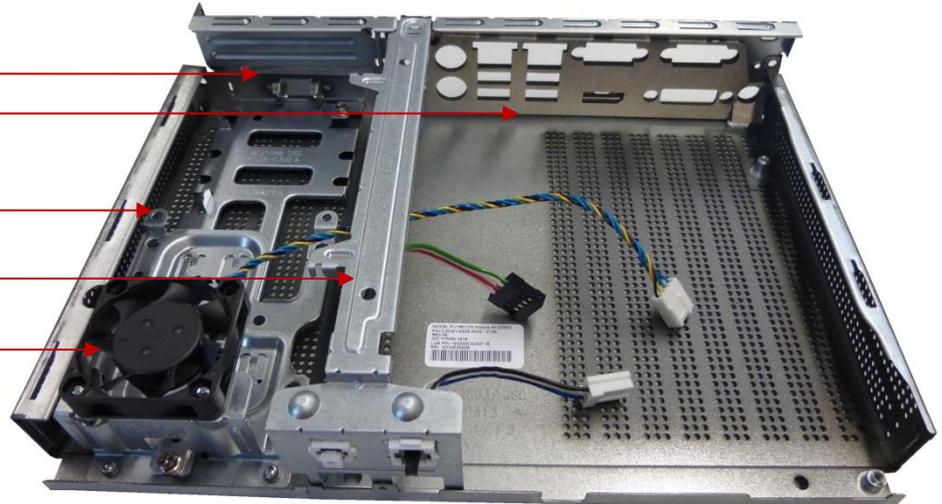
Optional Accessories

Passive heatsink (9W)	S26361-F5000-C006
Passive heatsink with heatpipe (15W)	S26361-F5000-C007
Active heatsink with fan (25W)	S26361-F5000-C005
Note: All heatsinks incl. backplate	
Additional serial port cable (AZR:AW-NU224)	S26361-F5000-K005
Drive Power Cable (HDD + DVD slim)	S26361-F5000-K001
1x PCIe riser card D3318 (for D3313-S)	S26361-F5000-R006
DP to DVI adapter cable	S26361-F5000-A003
DVI-I to VGA Adapter	S26361-F5000-A001
DASH LAN Controller Kit (Broadcom)	S26361-F5000-L001
TPM Module V1.2 (Infineon D3127)	S26361-F5000-R005



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

Mounting space for 2.5" HDD
Riser card holder with integrated
power button (illuminated) and
chassis intrusion switch
Integrated HDD / system fan



Chassis with mainboard D3313-S and passive 15W heatsink (with heatpipe)



Chassis rear view

Aperture for DisplayPort with
removable cover.
Note: Cover required for D3003-S1/S3

Aperture for optional
COM3 connector with
removable cover
(metal clip)

Aperture for
optional (RP-) SMA
antenna connector
with removable
cover (Ø 7.2mm)

Fujitsu Mainboard Accessories

Passive Mini-ITX Heatsink AMD for Industrial Mainboards

D3313-S1

Passive Heatsink Kit for Mini-ITX mainboards – designed for fanless chassis solutions for AMD embedded G-Series SoC (D3313-S1)

Heatsink F5000-C006:

Full aluminum
Spring-loaded mounting screws for specified downforce
Recommended mounting screw torque = 0.6Nm

Order Code:

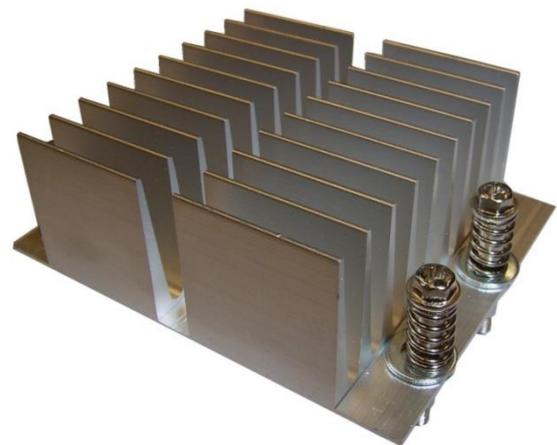
S26361-F5000-C006 (backplate included)

Backplate:

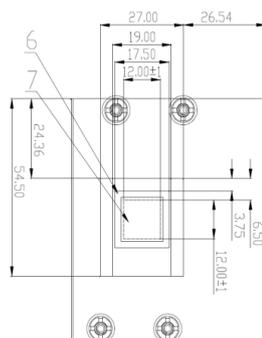
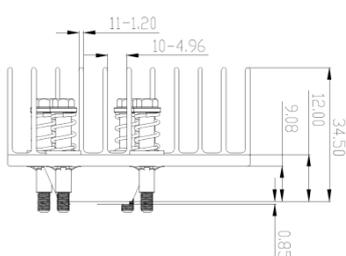
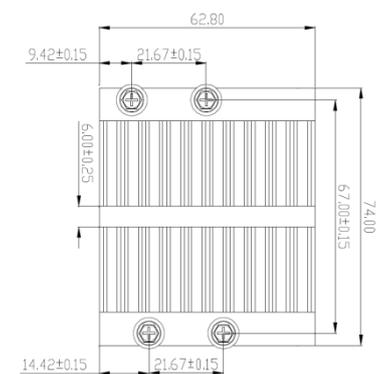
Metal backplate, provides 4 mounting threads for heatsink

Supported processors:

D3313-S1: AMD GX-210HA SOC (1GHz DualCore / 9W)



Dimensions:



(insulating foil resp. insulating plate)
V26898-B883-V100 (alternative backplates) V26898-B883-V10

Important Note:

Insulating foil of backplate –B883-V100 must NOT be removed, otherwise mainboard may be damaged due to possible shortcut.



Fujitsu Mainboard Accessories

Passive Mini-ITX Heatsink with Heatpipe AMD for Industrial Mainboard D3313-S1/S2/S4 (@ cTDP=15W)/S5

Passive Heatsink with Heatpipe Kit for Mini-ITX mainboards – designed for fanless chassis solutions for AMD embedded G-Series SoC (D3313-S1/S2/S4/S5)

Heatsink F5000-C006:

Full aluminum
Spring-loaded mounting screws for specified downforce
Recommended mounting screw torque = 0.6Nm

Order Code:

S26361-F5000-C007 (backplate included)

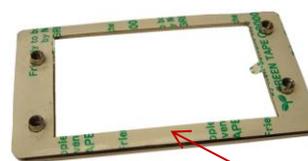
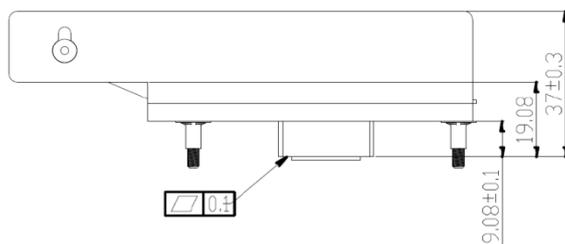
Backplate:

Metal backplate, provides 4 mounting threads for heatsink

Supported processors:

- D3313-S1 (GX-210HA SOC – 2x 1.0GHz/9W) Dual Core
- D3313-S2 (GX-217GA SOC – 2x 1.65GHz/15W) Dual Core
- D3313-S4 (GX-222GC SOC – 2.20GHz/10-15W) Dual Core
- D3313-S5 (GX-412HC SOC – 1.20GHz/5-7W) Quad Core

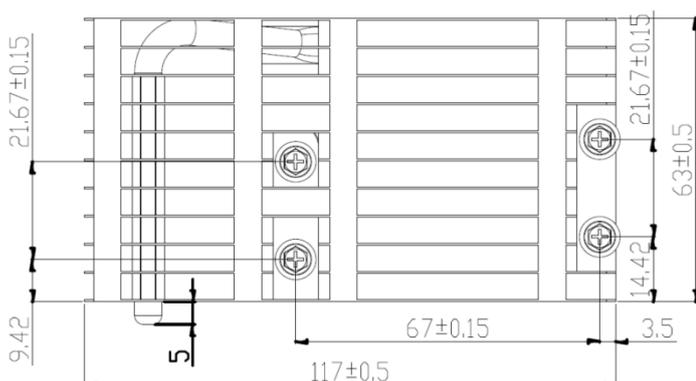
Dimensions:



(insulating foil resp. insulating plate)
V26898-B883-V100 (alternative backplates) V26898-B883-V10

Important Note:

Insulating foil of backplate –B883-V100 must NOT be removed, otherwise mainboard may be damaged due to possible shortcut.



Fujitsu Mainboard Accessories

Mini-ITX Heatsink AMD for Industrial Mainboards

D3313-S

Active Heatsink for mini-ITX mainboard – designed for silent but effective cooling for AMD embedded G-Series APU / embedded G-Series SoC processors up to 25W TDP

Heatsink F5000-C005:

Full aluminum incl. metal backplate
 Spring-loaded mounting screws for specified downforce
 Weight: 160g

Order Code:

S26361-F5000-C005 (backplate included)

Integrated Fan:

Fan: 60 x 60 x 15.5 mm, 12 VDC, dual ball bearing
 Power consumption: max. 0.46A @ 100% PWM duty cycle
 Speed: 900 rpm - 6.000 rpm (nom. speed)
 Sound level: 49.2 dB(A) max.
 Operating temperature range: -10°C – 70°C
 MTBF: 70.000 hrs @ 40°C

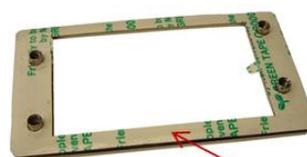
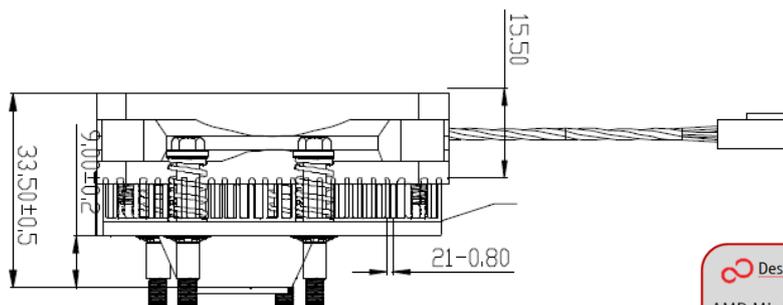
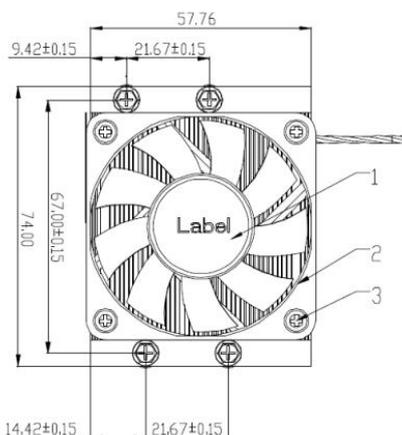
Supported Processors:

All AMD embedded G-Series / G-Series SoC processors up to 25W TDP

Heatsink Mounting:

Recommended mounting screw torque = 0.6Nm

Dimensions:



(insulating foil resp. insulating plate)
 V26898-B883-V100 (alternative backplates) V26898-B883-V100

Important Note:

Insulating foil of backplate –B883-V100 must NOT be removed, otherwise mainboard may be damaged due to possible shortcut.



Fujitsu Mainboard Accessories

Fujitsu Risercard for mini-ITX Mainboards

PCI & PCIe Risercards for using PCIe extension cards on mini-ITX boards D3313-S

Usability:

Enables the use of extension cards
Flexible operation of mini-ITX Boards

Reliability:

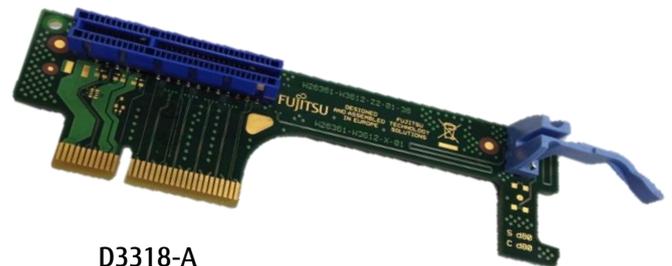
Performance in PCI and PCIe standard
Designed for 24/7 operation
Designed for extended temperature range up to 60°C

Approvals

CE

Order Code:

S26361-F5000-R006 (D3318-A)



D3318-A



Fujitsu Mainboard Accessories

TMP Module D3127-A

Optional TPM V1.2 (Infineon) module for D3313-S

Usability:

Easy and secure upgrade for D3313-S with TPM V1.2 for enhanced security applications

Reliability:

Designed for 24/7 operation

Approvals

CE

Order Code:

S26361-F5000-R5 (D3127-A)

Package Content:

TPM module
Mounting kit (nondetachable screw)
Note: No software included

Driver Support

TPM V1.2 driver support is included in MS Windows 7 / Windows 8.1

Software Support

Infineon TPM Professional Package is available here:

<http://support.ts.fujitsu.com/Download/ShowDescription.asp?SoftwareGUID=1C4FA7B0-173C-44F2-8210-8B523194FB48&Info=FTS&Ing=DE>



D3127-A



Fujitsu Mainboard Accessories

PCIe x1 DASH LAN Controller D2907 Kit

This low profile LAN controller card provides a cost-effective option to add an additional LAN controller providing DASH 1.1 Manageability to your system

Ordercode:

S26361-F5000-L001

Specifications

LAN Controller D2907 (Broadcom 5761, PCIe low profile)
Internal USB cable (length = 200mm)

Interface

PCIe x1 V1.1
USB (only needed for DASH-functionality)

Supported LAN speed:

10/100/1000 Mbit
IEEE 802.3 compliant

Supported features

DASH V1.1 manageability
(due to specific BIOS support only possible with D3313-S1/S2 and S3)
PXE boot
Wake on LAN (WoL)

Driver support

Certified drivers for
Microsoft Windows® XP
Microsoft Windows® 7®
Microsoft Windows® 8.1®

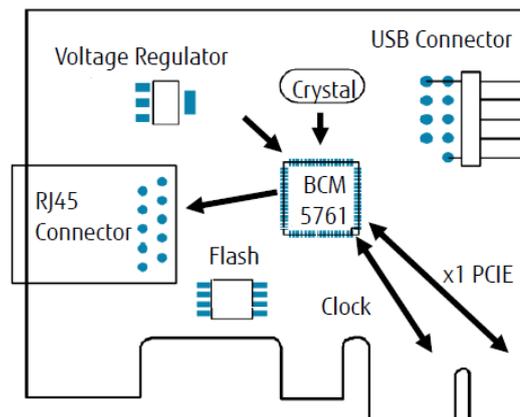
Package content

LAN Controller (D2907) with ATX slot bracket
and SFF slot bracket
Internal USB cable (Y3893-V301) for
DASH USB Redirection support

FTP Link (Drivers, Manual, DASH-Tools)

ftp://ftp.ts.fujitsu.com/pub/Mainboard-OEM-Sales/Products/Accessories/LAN & WLAN/Broadcom_DASH-LAN_D2907/

ftp://ftp.ts.fujitsu.com/pub/Mainboard-OEM-Sales/Products/Mainboards/Industrial&ExtendedLifetime/D3003-S/IndustrialTools_D3003-S/DASH_Manageability/



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Fujitsu products, solutions & services

Products

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Computing products

- Storage systems: ETERNUS
- Server: PRIMERGY, PRIMEQUEST, Fujitsu SPARC M10, BS2000/OSD Mainframe
- Client Computing Devices: LIFEBOOK, STYLISTIC, ESPRIMO, FUTRO, CELSIUS
- Peripherals: Fujitsu Displays, Accessories
- Software
- Network

Product Support Services with different service levels agreements are recommended to safeguard each product and ensure smooth IT operation.

Solutions

<http://www.fujitsu.com/global/solutions>
The Fujitsu solutions combine reliable Fujitsu products with the best in services, know-how and worldwide partnerships. Fujitsu's Solutions include parts of one or more activity groups (e.g., planning, implementation, support, management, and training services) and are designed to solve a specific business need.

Infrastructure Solutions are customer offerings created by bringing Fujitsu's best products, services and technologies together with those from partners to deliver benefit to our customers' businesses.

Industry Solutions are tailored to meet the needs of specific verticals.

Business and Technology Solutions provide a variety of technologies developed to tackle specific business issues such as security and sustainability, across many verticals.

Services

www.fujitsu.com/global/services/
Several customizable Fujitsu Service offerings ensure that IT makes a real difference and delivers true business value. We do this by leveraging our extensive experience in managing large, complex, transformational IT programs to help clients in planning, delivering and operating IT services in a challenging and changing business environment.

Application Services support the development, integration, testing, deployment and on-going management of both custom developed and packaged applications. The services focus on delivering business and productivity improvements for organizations.

Business Services respond to the challenge of planning, delivering and operating IT in a complex and changing IT environment.

Managed Infrastructure Services enable customers to deliver the optimal IT environment to meet their needs – achieving high levels of IT service quality and performance for data center and end user environments.

Fujitsu green policy innovation

www.fujitsu.com/global/about/environment/
Fujitsu Green Policy Innovation is our worldwide project for reducing burdens on the environment. Using our global know-how, we aim to resolve issues of environmental energy efficiency through IT. Please find further information at:



More information

Learn more about Fujitsu, please contact your Fujitsu sales representative, Fujitsu business partner, or visit our website.
www.fujitsu.com/fts/mainboards/

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