

Inform

ECN D34xx-S1 / D34xx-S2

"KabyLake" Update

ECN-No. SBOEM-D34xxS-300517

Reason for ECN: Support for *KabyLake* processor series (Intel 7th generation) added

New Core BIOS required -> new mainboard versions D34xx-S2.
Support for DDR4-2400 with *KabyLake* processors possible.

Current Part No. / Revision	New Part No. / Revision
D3433-S12 / GS1	D3433-S22 / GS1
D3434-S12 / GS1	D3434-S22 / GS1
D3441-S10 / GS2	D3441-S20 / GS1
D3446-S11 / GS2	D3446-S21 / GS1

Shipping details:

- D3433-S2: Mass production shipment expected from 07/2017
- D3434-S2 / D3441-S2 / D3446-S2: Mass production shipment expected from 09/2017

Features:

	Mainboard Version	
	D34xx-S1	D34xx-S2
UDIMM ¹⁾ DDR4-2133 / DDR4-2400	x / - ²⁾	x / x
Intel® Core™ i7-i5-i3 processor series – 6 th gen. / 7 th gen.	x / -	x / x
Intel® Pentium® / Celeron® processor series – 6 th gen. / 7 th gen.	x / -	x / x
Intel® Xeon® processor series E3-12xx V5 / E3-12xx V6 (D3446 only!)	x / -	x / x
Skylake Drivers / KabyLake Drivers (MS Windows)	x / x	- / x

1) SO DIMM for D3433-S/D3434-S

2) DDR4-2400 modules can be used, but they will operate at reduced speed

Comparison D34xx-S1 vs. D34xx-S2:

- No mechanical changes D34xx-S1 → D34xx-S2
- Identical PCB (printed circuit board) used for –S1 and appropriate –S2 version
- Same component stuffing
 Note: Some components are replaced by an updated version (= fully functional compatible) in order to ensure long term availability.
- All mainboard certifications (EMC, Safety, RoHS) are still valid for –S2 versions
 Note: D34xx-S1 has been approved with DDR4-2133MHz (max. memory speed supported by Skylake processors).
 When using KabyLake processors (D34xx-S2 only) and DDR4 memories @ 2400MHz, this may influence the EMC approval of the customer system unit.
- MS Windows driver details
 - D34xx-S2 & Skylake processor installed → At least one additional driver (FUJ0420_DeviceDriver) is required, and one previously used driver (FUJ02E3_DeviceDriver) is no longer needed
 - D34xx-S2 & KabyLake processor installed → Updated driver set required
 - Official MS Windows 7 graphics driver is not available for KabyLake processor integrated graphics

Operating Systems tested & released by Fujitsu:

Mainboard Version	Win 7-32	Win 7-64	Win 8.1-32	Win 8.1-64	Win 10 -64	Windows Server 2008 R2 (64)	Windows Server 2012 R2 (64)	Windows Server 2016 (64)
D34xx-S1 + Skylake (= 6 th gen.) processor	X	X	--- ⁵⁾	X	X	(X) ⁴⁾	(X) ⁴⁾	(X) ⁴⁾
D34xx-S1 + KabyLake (= 7 th gen.) processor	Not possible! ¹⁾							
D34xx-S2 + Skylake (= 6 th gen.) processor	(X) ³⁾	X	--- ⁵⁾	(X) ³⁾	X	--- ⁵⁾	--- ⁵⁾	--- ⁵⁾
D34xx-S2 + KabyLake (= 7 th gen.) processor	Not supported by Intel! ²⁾		Not supported by Intel! ²⁾		X	Not supported by Intel! ²⁾	Not supported by Intel! ²⁾	--- ⁵⁾

- 1) D34xx-S1 cannot be upgraded to D34xx-S2; KabyLake processor support on D34xx-S1 is NOT possible!
- 2) No MS Windows 7 / 8.1 driver support for KabyLake processor integrated graphics
- 3) MS Windows 7-32 / 8.1-64 is runnable on D34xx-S2, but there is no official release and support by Fujitsu
- 4) Tested and released for D3445-S1 and D3446-S1 only
- 5) Not tested and released by Fujitsu

Common driver link:

ftp://ftp.ts.fujitsu.com/pub/Mainboard-OEM-Sales/Products/Mainboards/Industrial&ExtendedLifetime/D3402-B_D3417-B/Drivers_D3402_D3417/

Fujitsu highly recommends to use the latest released drivers for D34xx-S2 mainboards.

Date	Revision Overview
05/2017	KabyLake Update D34xx-S2

Published by department
Systemboard OEM Sales

OEM FTP
<ftp://ftp.ts.fujitsu.com/pub/Mainboard-OEM-Sales/>

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<http://www.fujitsu.com/fts/products/computing/pc/accessories/mainboards/>

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