



# Intel Q2 Security Update on Side-Channel Analysis Method Vulnerability

## List of affected Fujitsu Products

The vulnerability Variant 4 & Variant 3a are derivatives of side channel methods previously disclosed in January. We continue to urge all customers to keep their systems up-to-date.

Reference: Security vulnerabilities ([CVE-2018-3639](#), [CVE-2018-3640](#), [INTEL-SA-00115](#))

**Last revised:**  
December 07, 2018

### Notes

- This is an overview of affected Fujitsu products.
- This list is updated regularly (affected products, dates and BIOS versions).
- For the supply of an updated BIOS we rely on the support of the component supplier.  
Further we only can provide fixes for products which are under service.  
Products which are not listed below are either not affected or out of services.

### OEM Mainboard

Affected Mainboard	New BIOS (w fix)	BIOS release date	OS update needed
D3003-S1	--	no support planned	yes
D3003-S2	--	no support planned	yes
D3003-S3	--	no support planned	yes
D3071-S1	--	no support planned	yes
D3076-S1	--	no support planned	yes
D3128-B1	R1.18.0	cw 03	yes
D3128-B2	R1.8.0	cw 03	yes
D3161-B1	--	no support planned	yes
D3162-B1	--	no support planned	yes
D3220-B1	R1.46.0	available	yes
D3221-B1	R1.46.0	available	yes
D3222-B1	R1.46.0	available	yes
D3230-B1	R1.46.0	available	yes
D3231-S1	R1.30.0	available	yes

D3235-S1	R1.30.0	available	yes
D3236-S1	R1.30.0	available	yes
D3240-B1	R1.46.0	available	yes
D3243-S1	R1.30.0	available	yes
D3313-S1	not needed	-/-	yes
D3313-S2	not needed	-/-	yes
D3313-S3	not needed	-/-	yes
D3313-S4	not needed	-/-	yes
D3313-S5	not needed	-/-	yes
D3313-S6	not needed	-/-	yes
B3348-B1	1.14.0	available	yes
B3348-B2	1.15.0	available	yes
D3400-B1	R1.26.0	available	yes
D3400-B2	R1.18.0	available	yes
D3401-B1	R1.26.0	available	yes
D3401-B2	R1.18.0	available	yes
D3402-B1	R1.26.0	available	yes
D3402-B2	R1.18.0	available	yes
D3410-B1	R1.26.0	available	yes
D3410-B2	R1.18.0	available	yes
D3417-B1	R1.26.0	available	yes
D3417-B2	R1.18.0	available	yes
D3433-S1	R1.23.0	available	yes
D3433-S2	R1.17.0	available	yes
D3434-S1	R1.23.0	available	yes
D3434-S2	R1.17.0	available	yes
D3441-S1	R1.23.0	available	yes
D3441-S2	R1.17.0	available	yes
D3445-S1	R1.23.0	available	yes
D3446-S1	R1.23.0	available	yes
D3446-S2	R1.17.0	available	yes
D3474-Bx	R1.8.0	available	yes
D3598-B1	t.b.d.	t.b.d.	t.b.d.

### Desktop PC (ESPRIMO)

Affected Model	New BIOS (w fix)	BIOS release date	OS update needed
ESPRIMO A525-L	--	no support planned	Yes
ESPRIMO C710	--	no support planned	Yes
ESPRIMO C720	R1.46.0	available	yes
ESPRIMO C910-L	--	no support planned	Yes
ESPRIMO E420	R1.46.0	available	yes
ESPRIMO E510	--	no support planned	Yes

ESPRIMO E520	R1.46.0	available	yes
ESPRIMO E710	--	no support planned	Yes
ESPRIMO E720	R1.46.0	available	yes
ESPRIMO E910	--	no support planned	Yes
ESPRIMO E920	R1.46.0	available	yes
ESPRIMO K557	R1.8.0	available	yes
ESPRIMO P420	R1.46.0	available	yes
ESPRIMO P510	--	no support planned	Yes
ESPRIMO P520	R1.46.0	available	yes
ESPRIMO P710	--	no support planned	Yes
ESPRIMO P720	R1.46.0	available	yes
ESPRIMO P910	--	no support planned	Yes
ESPRIMO P920	R1.46.0	available	yes
ESPRIMO PH320	R1.46.0	available	yes
ESPRIMO PH521	R1.46.0	available	yes
ESPRIMO D556 (E85+;E90+;E94+ PPC)	R1.26.0	available	yes
ESPRIMO D556/2 (E85+;E90+)	R1.18.0	available	yes
ESPRIMO D756 (E85+;E90+;E94+)	R1.26.0	available	yes
ESPRIMO D757 (E85+;E90+;E94+)	R1.18.0	available	yes
ESPRIMO D956 (E85+;E90+;E94+;LL)	R1.26.0	available	yes
ESPRIMO D957 (E85+;E90+;E94+)	R1.18.0	available	yes
ESPRIMO P556 / PH556	R1.26.0	available	yes
ESPRIMO P556/2	R1.18.0	available	yes
ESPRIMO P557	R1.18.0	available	yes
ESPRIMO P756 (E85+;E90+;E94+)	R1.26.0	available	yes
ESPRIMO P757 (E85+;E90+;E94+)	R1.18.0	available	yes
ESPRIMO P956 (E85+;E90+;E94+;LL)	R1.26.0	available	yes
ESPRIMO P957 (E85+;E90+;E94+;POWER)	R1.18.0	available	yes
ESPRIMO Q510	--	no support planned	Yes
ESPRIMO Q520	R1.46.0	available	yes
ESPRIMO Q556	R1.26.0	available	yes
ESPRIMO Q556/2	R1.18.0	available	yes
ESPRIMO Q910	--	no support planned	Yes
ESPRIMO Q920, Q920/MRE	R1.46.0	available	yes
ESPRIMO Q956, Q956/MRE	R1.26.0	available	yes
ESPRIMO Q957, Q957/MRE	R1.18.0	available	yes
ESPRIMO X923, X923T	R1.46.0	available	Yes
ESPRIMO X913, X913T	--	no support planned	Yes
ESPRIMO X956, X956T	R1.26.0	available	yes

## Workstation (CELSIUS)

Affected Model	New BIOS (w fix)	BIOS release date	OS update needed
CELSIUS C620	R1.20.0	t.b.d.	yes
CELSIUS C740	R1.7.0 (Haswell) R1.9.0 (Broadwell)	available available	yes
CELSIUS J550	R1.26.0	available	yes
CELSIUS J550/2	R1.18.0	available	yes
CELSIUS M470, M470power, M470 Ultra, M470-2, M470-2 power	t.b.d.	t.b.d.	yes
CELSIUS M720, M720power	R1.18.0	cw 03	yes
CELSIUS M730, M730power	R1.8.0	cw 03	yes
CELSIUS M740, M740power CELSIUS M740B	R1.14.0 (Haswell) R1.15.0 (Broadwell)	available available	yes
CELSIUS M770	R1.6.0	available	yes
CELSIUS R920, R920power	R1.18.0	cw 03	yes
CELSIUS R930, R930power	R1.8.0	cw 03	yes
CELSIUS R940, R940power CELSIUS R940B	R1.14.0 (Haswell) R1.15.0 (Broadwell)	available available	yes
CELSIUS R970	R1.8.0	available	yes
CELSIUS W420	--	no support planned	yes
CELSIUS W510	--	no support planned	yes
CELSIUS W520	--	no support planned	yes
CELSIUS W530	R1.46.0	available	yes
CELSIUS W550, W550power	R1.26.0	available	yes
CELSIUS W570power, CELSIUS W570power+	R1.18.0	available	yes

### Thin/Future Client (FUTRO)

Affected Model	New BIOS (w fix)	BIOS release date	OS update needed
FUTRO Q940	R1.6.0	available	yes
FUTRO S520	not needed	-/-	yes
FUTRO S540	R1.6.0	available	yes
FUTRO S700	--	no support planned	Yes
FUTRO S720	not needed	-/-	yes
FUTRO S740	R1.6.0	available	yes
FUTRO S900	--	no support planned	Yes
FUTRO S920	not needed	-/-	yes
FUTRO S930	not needed	-/-	yes
FUTRO S940	R1.6.0	available	yes
FUTRO X913, X913T	t.b.d.	t.b.d.	t.b.d.
FUTRO X923, X923T	not needed	-/-	yes

Mobile (LIFEBOOK/STYLISTIC/CELSIUS)

Affected Model	New BIOS (w fix)	BIOS release date	OS update needed
LIFEBOOK A357	t.b.d.	t.b.d.	yes
LIFEBOOK A357-SKL	t.b.d.	t.b.d.	yes
LIFEBOOK A512	t.b.d.	t.b.d.	yes
LIFEBOOK A514	t.b.d.	t.b.d.	yes
LIFEBOOK A532	t.b.d.	t.b.d.	yes
LIFEBOOK A544	t.b.d.	t.b.d.	yes
LIFEBOOK A555 / A555G	t.b.d.	t.b.d.	yes
LIFEBOOK A556 / A556G	t.b.d.	t.b.d.	yes
LIFEBOOK A557	t.b.d.	t.b.d.	yes
LIFEBOOK AH502	t.b.d.	t.b.d.	yes
LIFEBOOK AH512	t.b.d.	t.b.d.	yes
LIFEBOOK AH532/G32	t.b.d.	t.b.d.	yes
LIFEBOOK AH532/G32	t.b.d.	t.b.d.	yes
LIFEBOOK AH544/G32	t.b.d.	t.b.d.	yes
LIFEBOOK AH564-VT	t.b.d.	t.b.d.	yes
LIFEBOOK E448	1.12	available	yes
LIFEBOOK E458	1.12	available	yes
LIFEBOOK E544	t.b.d.	cw 06	yes
LIFEBOOK E546 non vPro	1.31	cw 51	yes
LIFEBOOK E546 vPro	1.22	cw 51	yes
LIFEBOOK E554	t.b.d.	cw 06	yes
LIFEBOOK E556 non vPro	1.31	cw 51	yes
LIFEBOOK E556 vPro	1.22	cw 51	yes
LIFEBOOK E547 non vPro	1.12	available	yes
LIFEBOOK E547 vPro	1.16	available	yes
LIFEBOOK E548	1.12	available	yes
LIFEBOOK E557 non vPro	1.12	available	yes
LIFEBOOK E557 vPro	1.16	available	yes
LIFEBOOK E558	1.12	available	yes
LIFEBOOK E733	t.b.d.	cw 06	yes
LIFEBOOK E734 non vPro	t.b.d.	cw 06	yes
LIFEBOOK E734 vPro	t.b.d.	cw 06	yes
LIFEBOOK E736 non vPro	1.33	available	yes
LIFEBOOK E736 vPro	1.25	available	yes
LIFEBOOK E743	t.b.d.	cw 06	yes
LIFEBOOK E744 vPro	t.b.d.	cw 06	yes
LIFEBOOK E744 non vPro	t.b.d.	cw 06	yes
LIFEBOOK E746 non vPro	1.33	available	yes
LIFEBOOK E746 vPro	1.25	available	yes
LIFEBOOK E752 non vPro	t.b.d.	t.b.d.	yes
LIFEBOOK E752 vPro (Win8)	t.b.d.	t.b.d.	yes

LIFEBOOK E752 non vPro (Win8)	t.b.d.	t.b.d.	yes
LIFEBOOK E753	t.b.d.	cw 06	yes
LIFEBOOK E754 non vPro	t.b.d.	cw 06	yes
LIFEBOOK E754 vPro	t.b.d.	cw 06	yes
LIFEBOOK E756 non vPro	1.33	available	yes
LIFEBOOK E756 vPro	1.25	available	yes
LIFEBOOK E782 vPro (Win8)	t.b.d.	t.b.d.	yes
LIFEBOOK P702	t.b.d.	t.b.d.	yes
LIFEBOOK P727	1.15	available	yes
LIFEBOOK P728	1.09	available	yes
LIFEBOOK P772	t.b.d.	t.b.d.	yes
LIFEBOOK S752 non vPro	t.b.d.	cw 06	yes
LIFEBOOK S752 vPro (Win8)	t.b.d.	t.b.d.	yes
LIFEBOOK S752 non vPro (Win8)	t.b.d.	t.b.d.	yes
LIFEBOOK S762 non vPro	t.b.d.	t.b.d.	yes
LIFEBOOK S762 vPro	t.b.d.	t.b.d.	yes
LIFEBOOK S782 vPro	t.b.d.	t.b.d.	yes
LIFEBOOK S792 non vPro	t.b.d.	t.b.d.	yes
LIFEBOOK S792 vPro	t.b.d.	t.b.d.	yes
LIFEBOOK S904 vPro	t.b.d.	cw 06	yes
LIFEBOOK S935	t.b.d.	cw 06	yes
LIFEBOOK S936	1.21	available	yes
LIFEBOOK S937	1.10	available	yes
LIFEBOOK S938	1.10	available	yes
LIFEBOOK T725	t.b.d.	cw 06	yes
LIFEBOOK T726	1.18	cw 51	yes
LIFEBOOK T734 non vPro	t.b.d.	cw 06	yes
LIFEBOOK T734 vPro	t.b.d.	cw 06	yes
LIFEBOOK T902	t.b.d.	t.b.d.	yes
LIFEBOOK T904	t.b.d.	cw 06	yes
LIFEBOOK T732 vPro	t.b.d.	t.b.d.	yes
LIFEBOOK T935	t.b.d.	cw 06	yes
LIFEBOOK T936	1.21	available	yes
LIFEBOOK T937	1.16	available	yes
LIFEBOOK T938	1.08	available	yes
LIFEBOOK U554	t.b.d.	t.b.d.	yes
LIFEBOOK U574	t.b.d.	t.b.d.	yes
LIFEBOOK U727	1.22	available	yes
LIFEBOOK U727 (6 <sup>th</sup> Gen.)	1.09	available	yes
LIFEBOOK U728	1.12	available	yes
LIFEBOOK U745	t.b.d.	cw 06	yes
LIFEBOOK U747	1.22	available	yes
LIFEBOOK U747 (6 <sup>th</sup> Gen.)	1.09	available	yes
LIFEBOOK U748	1.12	available	yes

LIFEBOOK U757	1.22	available	yes
LIFEBOOK U757 (6 <sup>th</sup> Gen.)	1.09	available	yes
LIFEBOOK U758	1.12	available	yes
LIFEBOOK U772	t.b.d.	t.b.d.	yes
LIFEBOOK UH572	t.b.d.	t.b.d.	yes
LIFEBOOK UH572 (Win8)	t.b.d.	t.b.d.	yes
LIFEBOOK U904	t.b.d.	cw 06	yes
LIFEBOOK U937	1.13	available	yes
LIFEBOOK U938	1.12	available	yes
STYLISTIC Q508	t.b.d.	t.b.d.	yes
STYLISTIC Q555	t.b.d.	t.b.d.	yes
STYLISTIC Q584	t.b.d.	t.b.d.	yes
STYLISTIC Q616	1.15	available	yes
STYLISTIC Q665	t.b.d.	cw 06	yes
STYLISTIC Q702 vPro	t.b.d.	t.b.d.	yes
STYLISTIC Q702 non vPro	t.b.d.	t.b.d.	yes
STYLISTIC Q704 non vPro	t.b.d.	cw 06	yes
STYLISTIC Q704 vPro	t.b.d.	cw 06	yes
STYLISTIC Q736	1.18	cw 51	yes
STYLISTIC Q738	1.07	available	yes
STYLISTIC Q775	t.b.d.	cw 06	yes
STYLISTIC R726 non vPro	t.b.d.	t.b.d.	yes
STYLISTIC R726 vPro	t.b.d.	t.b.d.	yes
STYLISTIC R727 non vPro	t.b.d.	t.b.d.	yes
STYLISTIC R727 vPro	t.b.d.	t.b.d.	yes
STYLISTIC V535	t.b.d.	t.b.d.	yes
STYLISTIC V727	1.14	available	yes
CELSIUS H720	t.b.d.	t.b.d.	yes
CELSIUS H730	t.b.d.	cw 06	yes
CELSIUS H760	1.27	cw 51	yes
CELSIUS H770	1.14	available	yes
CELSIUS H780	1.04	available	yes
CELSIUS H920	t.b.d.	t.b.d.	yes
CELSIUS H970	t.b.d.	t.b.d.	yes
CELSIUS H980	1.06	cw 51	yes

### NAS (CELVIN)

Affected Model	New FW (w fix)	FW release date
CELVIN NAS Q800	t.b.d.	t.b.d.
CELVIN NAS Q802	t.b.d.	t.b.d.
CELVIN NAS Q805	t.b.d.	t.b.d.
CELVIN NAS Q902	t.b.d.	t.b.d.

CELVIN NAS Q905	t.b.d.	t.b.d.
CELVIN NAS QE705	t.b.d.	t.b.d.
CELVIN NAS QE707	t.b.d.	t.b.d.
CELVIN NAS QE805	t.b.d.	t.b.d.
CELVIN NAS QE807	t.b.d.	t.b.d.
CELVIN NAS QR802	t.b.d.	t.b.d.
CELVIN NAS QR806	t.b.d.	t.b.d.
CELVIN NAS QR1006	t.b.d.	t.b.d.

**PRIMERGY/PRIMEQUEST server**

Affected Model	New BIOS (w fix)	BIOS release date	OS update needed
PRIMERGY BX920 S2	3E02	available	yes
PRIMERGY BX922 S2	3E02	available	yes
PRIMERGY BX924 S2	3E02	available	yes
PRIMERGY BX920 S3	2.29.0	available	yes
PRIMERGY BX924 S3	2.29.0	available	yes
PRIMERGY BX920 S4	1.18.0	available	yes
PRIMERGY BX924 S4	1.18.0	available	yes
PRIMERGY BX2560 M1	1.36.0	available	yes
PRIMERGY BX2580 M1	1.36.0	available	yes
PRIMERGY BX2560 M2	1.14.0	available	yes
PRIMERGY BX2580 M2	1.14.0	available	yes
PRIMERGY CX250 S1	3C20	available	yes
PRIMERGY CX270 S1	3C20	available	yes
PRIMERGY CX272 S1	3C20	available	yes
PRIMERGY CX250 S2	4A73	available	yes
PRIMERGY CX270 S2	4A73	available	yes
PRIMERGY CX2550 M1	1.36.0	available	yes
PRIMERGY CX2570 M1	1.36.0	available	yes
PRIMERGY CX2550 M2	1.14.0	available	yes
PRIMERGY CX2570 M2	1.14.0	available	yes
PRIMERGY CX2550 M4	1.32.0	available	yes
PRIMERGY CX2560 M4	1.32.0	available	yes
PRIMERGY CX2570 M4	1.32.0	available	yes
PRIMERGY CX1640 M1	Not affected	Not relevant	Not relevant
PRIMERGY MX130 S2	-	no update planned	yes
PRIMERGY RX100 S7	1.29.0	available	yes
PRIMERGY RX100 S7p	1.29.0	available	yes
PRIMERGY RX100 S8	2.17.0	available	yes
PRIMERGY RX1330 M1	2.17.0	available	yes



PRIMERGY RX1330 M2	1.22.0	available	yes
PRIMERGY RX1330 M3	1.19.0	available	yes
PRIMERGY RX200 S6	-	No update – End of Service	-
PRIMERGY RX200 S7	2.29.0	available	yes
PRIMERGY RX200 S8	1.19.0	available	yes
PRIMERGY RX2510 M2	1.20.0	available	yes
PRIMERGY RX2520 M1	1.21.0	available	yes
PRIMERGY RX2520 M4	1.22.0	available	yes
PRIMERGY RX2530 M1	1.36.0	available	yes
PRIMERGY RX2530 M2	1.20.0	available	yes
PRIMERGY RX2530 M4	1.22.0	available	yes
PRIMERGY RX300 S6	1.15.0	available	yes
PRIMERGY RX300 S7	1.31.0	available	yes
PRIMERGY RX300 S8	1.21.0	available	yes
PRIMERGY RX2540 M1	1.36.0	available	yes
PRIMERGY RX2540 M2	1.20.0	available	yes
PRIMERGY RX2540 M4	1.22.0	available	yes
PRIMERGY RX350 S7	1.31.0	available	yes
PRIMERGY RX350 S8	1.21.0	available	yes
PRIMERGY RX2560 M1	1.36.0	available	yes
PRIMERGY RX2560 M2	1.20.0	available	yes
PRIMERGY RX4770 M1	1.38.0	available	yes
PRIMERGY RX4770 M2	1.16.0	available	yes
PRIMERGY RX4770 M3	1.17.0	available	yes
PRIMERGY RX4770 M4	1.12.0	available	yes
PRIMERGY RX500 S7	1.30.0	available	yes
PRIMERGY RX600 S6	1.08	available	yes
PRIMERGY RX900 S1	99.18	available	yes
PRIMERGY RX900 S2	1.16	available	yes
PRIMERGY TX100 S3p	1.12.0	available	yes
PRIMERGY TX1310 M1	1.10.0	available	yes
PRIMERGY TX1310 M3	1.19.0	available	yes
PRIMERGY TX140 S1p	1.29.0	available	yes
PRIMERGY TX140 S2	2.17.0	available	yes
PRIMERGY TX150 S7	1.21.0	available	yes
PRIMERGY TX150 S8	1.17.0	available	yes
PRIMERGY TX1320 M1	2.17.0	available	yes
PRIMERGY TX1320 M2	1.22.0	available	yes
PRIMERGY TX1320 M3	1.19.0	available	yes
PRIMERGY TX120 S3p	1.29.0	available	yes
PRIMERGY TX200 S6	1.15.0	available	yes
PRIMERGY TX200 S7	1.17.0	available	yes
PRIMERGY TX1330 M1	2.17.0	available	yes
PRIMERGY TX1330 M2	1.22.0	available	yes

PRIMERGY TX1330 M3	1.19.0	available	yes
PRIMERGY TX300 S6	1.15.0	available	yes
PRIMERGY TX300 S7	1.31.0	available	yes
PRIMERGY TX300 S8	1.21.0	available	yes
PRIMERGY SX150 S8	1.17.0	available	yes
PRIMERGY SX350 S8	1.21.0	available	yes
PRIMERGY TX2540 M1	1.21.0	available	yes
PRIMERGY TX2550 M4	1.22.0	available	yes
PRIMERGY TX2560 M1	1.36.0	available	yes
PRIMERGY TX2560 M2	1.20.0	available	yes
PRIMEQUEST 2400E	2.30 (BA18061)	available	yes
PRIMEQUEST 2800B	2.30 (BA18061)	available	yes
PRIMEQUEST 2800E	2.30 (BA18061)	available	yes
PRIMEQUEST 2400E2	1.82 (BB18061)	available	yes
PRIMEQUEST 2800B2	1.82 (BB18061)	available	yes
PRIMEQUEST 2800E2	1.82 (BB18061)	available	yes
PRIMEQUEST 2400E3	1.44 (BC18061)	available	yes
PRIMEQUEST 2800B3	1.44 (BC18061)	available	yes
PRIMEQUEST 2800E3	1.44 (BC18061)	available	yes
PRIMEQUEST 3400E	1.63 (PA18063)	available	yes
PRIMEQUEST 3800B	1.64	available	yes
PRIMEQUEST 3800E	1.63 (PA18063)	available	yes

\* cw: calendar week

