

# Intel® Modular Server System Unified Firmware Update (UFU) Package Content Matrix

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The below table provides the following information for all released Intel® Modular Server System Unified Firmware Update (UFU) packages:

- BIOS and Firmware versions included in the specific UFU release
- Supported Intel® Modular Server Systems and Intel® Compute Modules for each UFU release
- Additional notes/comments for the specific UFU release. UFU packages are listed with the most recent release first and the oldest release last.

Before installing a UFU package refer to the Release Notes contained within your specific UFU package for detailed information regarding new features, known issues, and step-by-step installation instructions.

Text in [blue](#) indicates a change from the previously released Intel® Modular Server System Unified Firmware Update Package.

UFU Version	UFU Release Date	Intel® Modular Server System	CMM GUI	Intel® Compute Module	BIOS	BMC	SAS FW	SAS Option ROM	EBF	Storage IOP	Storage Expander	Storage Redboot	ESM Boot Code	ESM FW	Fan Op Code	Fan Boot Block	Comments
<b>Intel® Modular Server System MFSYS25V2 and Intel® Modular Server Virtualization Manager</b>																	
V11.6	Mar-12	MFSYS25V2	<a href="#">11.6.100.20120307.34736</a>	MFS5520VI	S5500.86B.01.20.0055	1.27.1	1.30.00.00-IR	6.30.00.00	2.18	3.8.0140.08	1.03.0140.71	1.01.0140.14	1.0.0.6	1.0.0.27	1.2	1.2	Update supported from V10.x and V11.5
V11.5	Oct-11	MFSYS25V2	<a href="#">11.5.100.20111014.32243</a>	MFS5520VI	S5500.86B.01.20.0055	<a href="#">1.27.1</a>	1.30.00.00-IR	6.30.00.00	2.18	3.8.0140.08	1.03.0140.71	1.01.0140.14	1.0.0.6	1.0.0.27	1.2	1.2	Update supported from 10.x
<b>Intel® Modular Server System MFSYS25V2</b>																	
V10.16	Aug-7	MFSYS25V2	<a href="#">10.16.100.20120711.37212</a>	MFS2600KI	<a href="#">R01.03.0002 (SE5C600.86B.01.03.0002.062020121504)</a>	<a href="#">1.0.3616</a>	<a href="#">1.33.00.00-IT</a>	<a href="#">6.36.00.00</a>	2.18	3.10.0140.02	1.03.0140.71	1.01.0140.14	1.0.0.6	<a href="#">1.0.0.28</a>	1.2	1.2	Update supported from V10.x, V11.5 <sup>1</sup> and V11.6 <sup>2</sup>
				MFS5520VI	S5500.86B.01.00.0060	1.27.1	1.30.00.00-IR	6.30.00.00									
				MFS5000SI	SB5000.86B.10.00.0050.083120090939	1.36.6	1.30.00.00-IR	6.30.00.00									

UFU Version	UFU Release Date	Intel® Modular Server System	CMM GUI	Intel® Compute Module	BIOS	BMC	SAS FW	SAS Option ROM	EBF	Storage IOP	Storage Expander	Storage Redboot	ESM Boot Code	ESM FW	Fan Op Code	Fan Boot Block	Comments
V10.9	Apr-12	MFSYS25V2	<a href="#">10.9.100.20120307.34733</a>	MFS5520VI	S5500.86B.01.00.0060	1.27.1	1.30.00.00-IR	6.30.00.00	2.18	<a href="#">3.10.0140.02</a>	1.03.0140.71	1.01.0140.14	1.0.0.6	1.0.0.27	1.2	1.2	Update supported from V10.x and V11.5 <sup>3</sup>
				MFS5000SI	SB5000.86B.10.00.0050.083 120090939	1.36.6	1.30.00.00-IR	6.30.00.00									
V10.8 <sup>4</sup>	Feb-12	MFSYS25V2	<a href="#">10.8.100.20120126.33805</a>	MFS5000SI	SB5000.86B.10.00.0050.083 120090939	1.36.6	1.30.00.00-IR	6.30.00.00	2.18	<a href="#">3.9.0140.07</a>	1.03.0140.71	1.01.0140.14	1.0.0.6	1.0.0.27	1.2	1.2	Upgrade to UFU V10.9 V10.8 is not supported
				MFS5520VI	<a href="#">S5500.86B.01.00.0060</a>	<a href="#">1.27.1</a>	1.30.00.00-IR	6.30.00.00									
V10.4	June-11	MFSYS25V2	<a href="#">10.4.100.20110602.29753</a>	MFS5520VI	<a href="#">S5500.86B.01.20.0055</a>	<a href="#">1.26.3</a>	1.30.00.00-IR	6.30.00.00	2.18	<a href="#">3.8.0140.08</a>	1.03.0140.71	1.01.0140.14	1.0.0.6	1.0.0.27	1.2	1.2	Update supported from V10.1, and V10.3
				MFS5000SI	SB5000.86B.10.00.0050.083 120090939	1.36.6	1.30.00.00-IR	6.30.00.00									
V10.3	Jan-11	MFSYS25V2	<a href="#">10.3.100.20101103.24345</a>	MFS5520VI	<a href="#">S5500.86B.01.00.0054</a>	1.22.1	1.30.00.00-IR	6.30.00.00	2.17	<a href="#">3.7.0140.06</a>	<a href="#">1.03.0140.71</a>	1.01.0140.14	1.0.0.6	1.0.0.27	1.2	1.2	Update supported from V10.1
				MFS5000SI	SB5000.86B.10.00.0050.083 120090939	1.36.6	1.30.00.00-IR	6.30.00.00									
V10.1	Jan-11	MFSYS25V2	<a href="#">10.1.100.20101015.23981</a>	MFS5520VI	S5500.86B.01.00.0050	1.22.1	1.30.00.00-IR	6.30.00.00	2.17	3.6.0140.05	1.03.0140.70	1.01.0140.14	1.0.0.6	1.0.0.27	1.2	1.2	
				MFS5000SI	SB5000.86B.10.00.0050.083 120090939	1.36.6	1.30.00.00-IR	6.30.00.00									
<b>Intel® Modular Server System MFSYS25 and Intel® Modular Server System MFSYS35</b>																	
V6.10	Apr-12	MFSYS25 MFSYS35	<a href="#">6.10.100.20120307.34729</a>	MFS5000SI	SB5000.86B.10.00.0050	1.36.6	1.30.00.00-IR	6.30.00.00	1.42	<a href="#">3.10.0140.02</a>	1.03.0140.71	1.01.0140.14	1.0.0.6	1.0.0.27	1.2	1.2	Update supported from, V2.7, V3.0, V3.6, V4.0, V4.1, V5.0, V5.5, V6.0, V6.1, V6.6, V6.7, V6.8 and V6.9 Roll back not supported
				MFS5520VI	S5500.86B.01.00.0060	1.27.1											

UFU Version	UFU Release Date	Intel® Modular Server System	CMM GUI	Intel® Compute Module	BIOS	BMC	SAS FW	SAS Option ROM	EBF	Storage IOP	Storage Expander	Storage Redboot	ESM Boot Code	ESM FW	Fan Op Code	Fan Boot Block	Comments
V6.9 <sup>5</sup>	Jan-12	MFSYS25 MFSYS35	6.9.100.20111207.32957	MFS5000SI	SB5000.86B.10.00.0050	1.36.6	1.30.00.00-IR	6.30.00.00	1.42	3.9.0140.07	1.03.0140.71	1.01.0140.14	1.0.0.6	1.0.0.27	1.2	1.2	Upgrade to UFU V6.10 V6.9 is not supported,
				MFS5520VI	S5500.86B.01.00.0060	1.27.1											
V6.8	June-11	MFSYS25 MFSYS35	6.8.100.20110531.29714	MFS5000SI	SB5000.86B.10.00.0050	1.36.6	1.30.00.00-IR	6.30.00.00	1.42	3.8.0140.08	1.03.0140.71	1.01.0140.14	1.0.0.6	1.0.0.27	1.2	1.2	Update supported from, V2.7, V3.0, V3.6, V4.0, V4.1, V5.0, V5.5, V6.0, V6.1, V6.6, or V6.7 Roll back not supported
				MFS5520VI	S5500.86B.01.20.0055	1.26.3											
V6.7	Mar-11	MFSYS25 MFSYS35	6.7.100.20110329.28522	MFS5000SI	SB5000.86B.10.00.0050	1.36.6	1.30.00.00-IR	6.30.00.00	1.41	3.7.0140.06	1.03.0140.71	1.01.0140.14	1.0.0.6	1.0.0.27	1.2	1.2	Update supported from, V2.7, V3.0, V3.6, V4.0, V4.1, V5.0, V5.5, V6.0, or V6.1 Roll back to UFU 6.6 is supported
				MFS5520VI	S5500.86B.01.00.0055	1.20.1											
V6.6	Dec-10	MFSYS25 MFSYS35	6.6.100.20101015.23953	MFS5000SI	SB5000.86B.10.00.0050	1.36.6	1.30.00.00-IR	6.30.00.00	1.41	3.7.0140.06	1.03.0140.71	1.01.0140.14	1.0.0.6	1.0.0.27	1.2	1.2	Update supported from, V2.7, V3.0, V3.6, V4.0, V4.1, V5.0, V5.5, V6.0, or V6.1 Roll back to UFU 6.5 is supported
				MFS5520VI	S5500.86B.01.00.0054	1.20.1											
V6.5	July-10	MFSYS25 MFSYS35	6.5.100.20100630.21247	MFS5000SI	SB5000.86B.10.00.0050	1.36.6	1.30.00.00-IR	6.30.00.00	1.41	3.6.0140.05	1.03.0140.70	1.01.0140.14	1.0.0.6	1.0.0.27	1.2	1.2	Update supported from, V2.7, V3.0, V3.6, V4.0, V4.1, V5.0, V5.5, or V6.0 Roll back <u>not</u> supported
				MFS5520VI	S5500.86B.01.00.0050	1.20.1											
V6.1	Apr-10	MFSYS25 MFSYS35	6.1.100.20100419.20225	MFS5000SI	SB5000.86B.10.00.0050	1.36.6	1.30.00.00-IR	6.30.00.00	1.37	3.5.0140.11	1.03.0140.70	1.01.0140.14	1.0.0.6	1.0.0.27	1.2	1.2	Update supported from, V2.7, V3.0, V3.6, V4.0, V4.1, V5.0, V5.5 or V6.0 Roll back <u>not</u> supported
				MFS5520VI	SB5000.86B. 01.30.0048	1.19.2											
V6.0	Mar-10	MFSYS25 MFSYS35	6.0.100.20100317.20104	MFS5000SI	SB5000.86B.10.00.0050	1.36.6	1.30.00.00-IR	6.30.00.00	1.37	3.5.0140.11	1.03.0140.70	1.01.0140.14	1.0.0.6	1.0.0.27	1.2	1.2	Update supported from, V2.7, V3.0, V3.6, V4.0, V4.1, V5.0 or V5.5 Roll back <u>not</u> supported
				MFS5520VI	S5500.86B.01.10.0048	1.19.2											
V5.5	Dec-09	MFSYS25 MFSYS35	5.5.100.20091202.19584	MFS5000SI	SB5000.86B.10.10.0048	1.36.5	1.25.05	6.22.00.00	1.37	3.4.0140.08	1.03.0140.70	1.01.0140.14	1.0.0.6	1.0.0.27	1.2	1.2	Update supported from V2.7, V3.0, V3.6, V4.0, V4.1 or V5.0 Roll back <u>not</u> supported
				MFS5520VI	S5500.86B.01.10.0043	1.18.2											

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V5.0	Oct-09	MFSYS25 MFSYS35	5.0.100.20090928.19055	MFS5000SI	SB5000.86B.10.10.0048	1.36.4	1.25.02.00-IR	6.22.00.00	1.35	3.4.0140.05	1.03.0140.70	1.01.0140.14	1.0.0.6	1.0.0.27	1.2	1.2	Update supported from V2.7, V3.0, V3.6, V4.0 or V4.1 Roll back <u>not</u> supported
				MFS5520VI	S5500.86B.01.00.0038	1.17.4											
V4.1	Sept-09	MFSYS25 MFSYS35	4.1.100.20090821.18604	MFS5000SI	SB5000.86B.10.10.0048	1.36.4	1.25.02.00-IR	6.22.00.00	1.35	3.3.0140.18	1.03.0140.68	1.01.0140.14	1.0.0.6	1.0.0.27	1.2	1.2	Update supported from V2.7, V3.0, V3.6, V4.0 Roll back <u>not</u> supported
				MFS5520VI	S5500.86B.01.00.0038	1.16.2											
V4.0	Aug-09	MFSYS25 MFSYS35	4.0.100.20090813.18499	MFS5000SI	SB5000.86B.10.10.0048	1.36.4	1.25.02.00-IR	6.22.00.00	1.32	3.3.0140.18	1.03.0140.68	1.01.0140.14	1.0.0.6	1.0.0.27	1.2	1.2	Update supported from V3.6, Roll back <u>not</u> supported
				MFS5520VI	S5500.86B.01.00.0038	1.16.2											
V3.6	June-09	MFSYS25 MFSYS35	3.6.100.20090701.18029	MFS5000SI	SB5000.86B.10.10.0048	1.36.1	1.25.02.00-IR	6.22.00.00	1.32	3.02.0140.15	1.03.0140.68	1.01.0140.12	1.0.0.6	1.0.0.27	1.2	1.2	Update supported from V3.0, V2.7
				MFS5520VI	S5500.86B.01.00.0038	1.15.1											
V3.0	May-09	MFSYS25 MFSYS35	3.0.100.20090504.17040	MFS5000SI	SB5000.86B.10.10.0048	1.35.3	1.25.02.00-IR	6.22.00.00	1.31	3.02.0140.15	1.03.0140.68	1.01.0140.12	1.0.0.6	1.0.0.27	1.2	1.2	Update supported from V2.7
				MFS5520VI	S5500.86B.01.10.0034	1.15.1											
V2.7 <sup>6</sup>	Feb-09	MFSYS25 MFSYS35	2.7.100.20090226.16239	MFS5000SI	SB5000.86B.10.10.0048	1.35.1	1.25.02.00-IR	6.22.00.00	1.27	3.02.0140.15	1.03.0140.68	1.01.0140.12	1.0.0.6	1.0.0.27	1.2	1.2	Update supported from P2.6, P2.3.5, and P2.3.1
P2.6	Nov-08	MFSYS25 MFSYS35	2.6.100.20081120.14717	MFS5000SI	SB5000.86B.10.10.0048	1.34.9	1.25.02.00-IR	6.22.00.00	1.26	3.00.0140.77	1.03.0140.66	1.01.0140.10	1.0.0.6	1.0.0.27	1.2	1.2	Update supported from P2.3.5 and P2.3.1
P2.3.5	Oct-08	MFSYS25 Only	2.4.100.20081010.13743	MFS5000SI	SB5000.86B.10.10.0048	1.30.3	1.23.07.00	6.18.01.00	1.24	2.91.140.50	1.03.0140.02	1.01.0140.08	1.0.0.6	1.0.0.27	1.1	1.2	Update supported from P2.3.1
P2.3.1	Jun-08	MFSYS25 Only	2.4.100.20080610.11578	MFS5000SI	SB5000.86B.10.00.0043	1.30.3	1.23.07.00	6.18.01.00	1.24	2.91.140.50	1.03.0140.02	1.01.0140.08	1.0.0.6	1.0.0.27	1.1	1.2	Update supported from P2.2.3 and P2.2.2
P2.2.3	May-08	MFSYS25 Only	1.3.100.20080527.11328	MFS5000SI	SB5000.86B.10.00.0043	1.30.3	1.23.07.00	6.18.01.00	1.24	2.91.140.45	1.03.0140.01	1.01.0140.08	1.0.0.6	1.0.0.25	1.1	1.2	Update supported from P.2.2.2 and P2.0.7

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<b>P2.2.2</b>	May-08	MFSYS25 Only	<a href="#">1.3.100.20080516.11151</a>	MFS5000SI	<a href="#">SB5000.86B.10.00.0043</a>	<a href="#">1.30.3</a>	<a href="#">1.23.07.00</a>	<a href="#">6.18.01.00</a>	<a href="#">1.24</a>	<a href="#">2.91.140.45</a>	<a href="#">1.03.0140.01</a>	<a href="#">1.01.0140.08</a>	1.0.0.6	1.0.0.25	1.1	1.2	Update supported from P2.0.7
<b>P2.0.7</b>	Jan-08	MFSYS25 Only	<a href="#">1.2.100.01242008.9431</a>	MFS5000SI	<a href="#">SB5000.86B.10.00.0035</a>	<a href="#">1.27.1</a>	1.20.00.00	6.14.00.00	<a href="#">1.23</a>	2.91.140.11	1.02.140.81	1.00.140.52	1.0.0.6	1.0.0.25	1.1	1.2	
<b>P2.0.5</b>	Nov-07	MFSYS25 Only	<a href="#">1.1.100.11132007.8633</a>	MFS5000SI	SB5000.86B.10.00.0032	<a href="#">1.25.1</a>	1.20.00.00	6.14.00.00	1.2	2.91.140.11	1.02.140.81	1.00.140.52	1.0.0.6	1.0.0.25	1.1	1.2	
<b>P2.0</b>	Oct-07	MFSYS25 Only	<a href="#">1.1.100.10302007.8260</a>	MFS5000SI	<a href="#">SB5000.86B.10.00.0032</a>	<a href="#">1.22.2</a>	1.20.00.00	6.14.00.00	1.2	<a href="#">2.91.140.11</a>	1.02.140.81	1.00.140.52	1.0.0.6	1.0.0.25	1.1	1.2	
<b>P1.0</b>	Oct-07	MFSYS25 Only	1.0.100.10012007.7372	MFS5000SI	SB5000.86B.10.00.0030	13.8	1.20.00.00	6.14.00.00	1.2	2.91.140.1	1.02.140.81	1.00.140.52	1.0.0.6	1.0.0.25	1.1	1.2	

<sup>1</sup> UFU 10.16 does not support Intel® Modular Server Virtualization Manager. Chassis updated to UFU 10.16 from V11.5 will no longer be able to use the Intel® Modular Server Virtualization Manager software features.

<sup>2</sup> UFU 10.16 does not support Intel® Modular Server Virtualization Manager. Chassis updated to UFU 10.16 from V11.6 will no longer be able to use the Intel® Modular Server Virtualization Manager software features.

<sup>3</sup> UFU 10.9 does not support Intel® Modular Server Virtualization Manager. Chassis updated to UFU 10.9 from V11.5 will no longer be able to use the Intel® Modular Server Virtualization Manager software features.

<sup>4</sup> MFSYS25V2 chassis currently running Unified Firmware Update (UFU) V10.8 should update to UFU V10.9. UFU V10.8 is not supported.

<sup>5</sup> MFSYS25 chassis currently running Unified Firmware Update (UFU) V6.9 should update to UFU V6.10. UFU V6.9 is not supported.

<sup>6</sup> Naming convention change from Px.x to Vx.x. No change to UFU package structure.