

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

March  
2012

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>																	
<b>V11.6</b>	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 V10.1, V10.3, V104, and V11.5. Rollback is not supported.
<b>V11.5</b>	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 V10.1, V10.3, and V104. Rollback is not supported.
<b>Intel® Modular Server System MFSYS25V2</b>																	
<b>V10.8</b>	Feb-12	MFSYS25V2	<a href="#">10.8.100.20120126.33805</a>	MFS5520VI	<a href="#">S5500.86B.01.00.0060</a>	<a href="#">1.27.1</a>	1.30.00.00-IR	6.30.00.00	<a href="#">2.18</a>	<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	Replaced with UFU V10.9 – Mandatory upgrade
<b>V10.4</b>	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	<a href="#">2.18</a>	<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 Roll back is not supported.

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
V10.3	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	
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	
<b>Intel® Modular Server System MFSYS25 and Intel® Modular Server System MFSYS35</b>																	
V6.9	January-12	MFSYS25 MFSYS35	<a href="#">6.9.100.20111207.32957</a>	MFS5000SI ..... MFS5520VI	SB5000.86B.10.00.0050 ..... <a href="#">S5500.86B.01.00.0060</a>	1.36.6 ..... 1.27.1	1.30.00.00-IR	6.30.00.00	1.42	<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	Replaced with UFU V6.10 – Mandatory upgrade
V6.8	June-11	MFSYS25 MFSYS35	<a href="#">6.8.100.20110531.29714</a>	MFS5000SI ..... MFS5520VI	SB5000.86B.10.00.0050 ..... <a href="#">S5500.86B.01.20.0055</a>	1.36.6 ..... 1.26.3	1.30.00.00-IR	6.30.00.00	1.42	<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, 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 is not supported
V6.7	March-11	MFSYS25 MFSYS35	<a href="#">6.7.100.20110329.28522</a>	MFS5000SI ..... MFS5520VI	SB5000.86B.10.00.0050 ..... <a href="#">S5500.86B.01.00.0055</a>	1.36.6 ..... 1.20.1	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
V6.6	Dec-10	MFSYS25 MFSYS35	<a href="#">6.6.100.20101015.23953</a>	MFS5000SI ..... MFS5520VI	SB5000.86B.10.00.0050 ..... <a href="#">S5500.86B.01.00.0054</a>	1.36.6 ..... 1.20.1	1.30.00.00-IR	6.30.00.00	1.41	<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, 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
V6.5	July-10	MFSYS25 MFSYS35	<a href="#">6.5.100.20100630.21247</a>	MFS5000SI ..... MFS5520VI	SB5000.86B.10.00.0050 ..... <a href="#">S5500.86B.01.00.0050</a>	1.36.6 ..... 1.20.1	1.30.00.00-IR	6.30.00.00	1.41	<a href="#">3.6.0140.05</a>	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 to previous versions is <u>not</u> supported
V6.1	Apr-10	MFSYS25 MFSYS35	<a href="#">6.1.100.20100419.20225</a>	MFS5000SI ..... MFS5520VI	SB5000.86B.10.00.0050 ..... <a href="#">SB5000.86B.01.30.0048</a>	1.36.6 ..... 1.19.2	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 to previous versions is <u>not</u>

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	
																		supported
<b>V6.0</b>	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 to previous versions is <u>not</u> supported
				MFS5520VI	S5500.86B.01.10.0048	1.19.2												
<b>V5.5</b>	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 to previous versions is <u>not</u> supported
				MFS5520VI	S5500.86B.01.10.0043	1.18.2												
<b>V5.0</b>	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 to previous versions is <u>not</u> supported
				MFS5520VI	S5500.86B.01.00.0038	1.17.4												
<b>V4.1</b>	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 to previous versions is <u>not</u> supported
				MFS5520VI	S5500.86B.01.00.0038	1.16.2												
<b>V4.0</b>	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 to previous versions is <u>not</u> supported
				MFS5520VI	S5500.86B.01.00.0038	1.16.2												
<b>V3.6</b>	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												
<b>V3.0</b>	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												

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>V2.7<sup>1</sup></b>	Feb-09	MFSYS25 MFSYS35	<a href="#">2.7.100.20090226.16239</a>	MFS5000SI	SB5000.86B.10.10.0048	<a href="#">1.35.1</a>	1.25.02.00-IR	6.22.00.00	<a href="#">1.27</a>	<a href="#">3.02.0140.15</a>	<a href="#">1.03.0140.68</a>	<a href="#">1.01.0140.12</a>	1.0.0.6	1.0.0.27	1.2	1.2	Update supported from P2.6, P2.3.5, and P2.3.1
<b>P2.6</b>	Nov-08	MFSYS25 MFSYS35	<a href="#">2.6.100.20081120.14717</a>	MFS5000SI	SB5000.86B.10.10.0048	<a href="#">1.34.9</a>	1.25.02.00-IR	6.22.00.00	<a href="#">1.26</a>	<a href="#">3.00.0140.77</a>	<a href="#">1.03.0140.66</a>	<a href="#">1.01.0140.10</a>	1.0.0.6	1.0.0.27	1.2	1.2	Update supported from P2.3.5 and P2.3.1
<b>P2.3.5</b>	Oct-08	MFSYS25 Only	<a href="#">2.4.100.20081010.13743</a>	MFS5000SI	<a href="#">SB5000.86B.10.10.0048</a>	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
<b>P2.3.1</b>	Jun-08	MFSYS25 Only	<a href="#">2.4.100.20080610.11578</a>	MFS5000SI	SB5000.86B.10.00.0043	1.30.3	1.23.07.00	6.18.01.00	1.24	<a href="#">2.91.140.50</a>	<a href="#">1.03.0140.02</a>	1.01.0140.08	1.0.0.6	<a href="#">1.0.0.27</a>	1.1	1.2	Update supported from P2.2.3 and P2.2.2
<b>P2.2.3</b>	May-08	MFSYS25 Only	<a href="#">1.3.100.20080527.11328</a>	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 P2.2.2 and P2.0.7
<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>	1.30.3	<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> Naming convention change from Px.x to Vx.x. No change to UFU package structure.