

Revision history

Use ABOV New S/W Version rule (2015. 9.21.Mon ~)

Version	Date	Description
V2.036.00	2019.12. 5.Thu	Added devices <ul style="list-style-type: none">- A94Q427- A94B346, A94B361, A94B391- A96G166 (password)- A96L416 Fixed <ul style="list-style-type: none">- List control did not refer screen scale
V2.035.01	2019. 9.05.Thu	Added devices <ul style="list-style-type: none">- A94B336- A94B438- A94B517- A96T365 Fixed <ul style="list-style-type: none">- Restoring device configuration after hex file download. New feature <ul style="list-style-type: none">- Device trim data check before code hex programming- Setup our OCD debugging DLL to KEIL ("Tools.ini") automatically during installation / uninstallation.
V2.034.00	2018.12. 5.Wed	Added devices <ul style="list-style-type: none">- AL4000- A96L322- A96G174- A94Q116- A94B428 Fixed <ul style="list-style-type: none">- A96R150 was hidden device → open- Global variable window<ul style="list-style-type: none">→ Save/Load for each project
V2.033.00	2018. 7. 2.Mon	Added devices <ul style="list-style-type: none">- A96G140- A96R140

		<ul style="list-style-type: none"> - A96R150 - A96R725 - A96L302 <p>New feature</p> <ul style="list-style-type: none"> - Symbolic debugging for IAR output (*.d51)
V2.032.00	2018. 3.26.Mon	<p>Added devices</p> <ul style="list-style-type: none"> - A96T356 <p>Fixed</p> <ul style="list-style-type: none"> - Infinite reset message with OCD1 dongle ➔ MC96F6432, MC96F8316
V2.031.06	2018. 1.16.Tue	<p>Fixed</p> <ul style="list-style-type: none"> - C procedure address range confliction
V2.031.05	2018. 1. 9.Tue	<p>Fixed</p> <ul style="list-style-type: none"> - Improve connection between OCD1 dongle and target device (OCD1 vs Device initialization)
V2.031.04	2017.12.19.Tue	<p>Fixed</p> <ul style="list-style-type: none"> - GPIO : Reset default (ex: A96T218) - OCD initialization is not cleared during GPIO(reset) is Low - Add initialize sequence for these devices
V2.031.01	2017.11.24.Fri	<p>Added devices</p> <ul style="list-style-type: none"> - A94B316
V2.031.00	2017.11.16.Thu	<p>Added devices</p> <ul style="list-style-type: none"> - A96R739 <p>Added features</p> <ul style="list-style-type: none"> - Show CPU instruction bug in HEX download dialog box - M8051 : PUSH SP - CM8051 : PUSH SP, POP SP, DA A
V2.030.00	2017. 9.15.Fri	<p>Add</p> <ul style="list-style-type: none"> - Add A94B114 to KEIL plug-in <p>Modification</p> <ul style="list-style-type: none"> - A96R136 Lock / Unlock
V2.029.00	2017. 8. 10.Thu	<p>Fixed</p> <ul style="list-style-type: none"> - A94B114 real time monitoring (XDATA)

		<ul style="list-style-type: none"> - A96T346 : bulk erase include pre-program - A97C450 : bulk erase exclude user configuration restoring <p>Modification</p> <ul style="list-style-type: none"> - Remove RUN Time display because following devices does not include it - A96T316/326/336/346 - MC96F1206 <p>Added devices</p> <ul style="list-style-type: none"> - A96L312 - A96T346 - MC97F6108M
V2.028.00	2017. 4.10.Mon	<p>Changed features</p> <ul style="list-style-type: none"> - Expand dump display cell width - Expand register display cell width - Do not reset the target MCU when it is attached. <p>Added feature</p> <ul style="list-style-type: none"> - A94B114 configuration dialog box <p>Added devices</p> <ul style="list-style-type: none"> - MC97F2664A
V2.027.03	2017. 2.10.Fri	<p>Fixed</p> <ul style="list-style-type: none"> - If KEIL uVision5 C-project used separated output folders, source file mismatching problem occurred.
V2.027.02	2017. 2. 7.Tue	<p>Fixed</p> <ul style="list-style-type: none"> - A94A332B : flash downloader image file was not included
V2.027.01	2017. 1.23.Mon	<p>Changed feature</p> <ul style="list-style-type: none"> - If newer version found, ask to user . (download setup program and execute it). <p>KEIL DLL</p> <ul style="list-style-type: none"> - Add new DLL for code banking (ABOV_OCD_banked.DLL) - Distinguish banked and no banked DLL - Display checksum : no banked DLL only
V2.026.00	2016.12.22.Thu	<p>Changed features</p> <ul style="list-style-type: none"> - Environment file save "Keep code area address" within

		<p>Download hex dialog box</p> <p>Fixed</p> <ul style="list-style-type: none"> - KEIL DLL : Allow XDATA edit
V2.025.00	2016.12.15.Thu	<p>Added devices</p> <ul style="list-style-type: none"> - MC94A332B - A96T228 distinguish from A96T218 - A96R136 <p>Added feature</p> <ul style="list-style-type: none"> - A97C450 option GUI <p>Modification</p> <ul style="list-style-type: none"> - MC96F7864 trim recover
V2.024.00	2016.11. 1.Tue	<p>Changed features</p> <ul style="list-style-type: none"> - 96F6432, 96F7464 option page erase -> byte erase - 96FR364C boot area size - A96T316, A96T218 Disable GPIO /reset input during Flash programming - Distinguish A96T316/326/336
V2.023.01	2016. 8. 4.Thu	<p>Fixed code area range</p> <ul style="list-style-type: none"> - A96T218 : 24KB -> 32KB
V2.023.00	2016. 7.29.Fri	<p>Changed feature</p> <ul style="list-style-type: none"> - A96T218 boot code size
V2.022.01	2016. 4.12.Tue	<p>Fixed devices</p> <ul style="list-style-type: none"> - A96FT218, A96T316 : XDATA edit allowed <p>Changed feature</p> <ul style="list-style-type: none"> - Extend dump window address area width.
V2.022.00	2016. 3.21.Mon	<p>Added devices</p> <ul style="list-style-type: none"> - 96FR364C - 96F8204 - 97C624 - A96T218 - A96T316 <p>Modify 96FT242 option display (/Reset)</p>
V2.021.00	2015.10.14.수	<p>Change IRC backup from trim, not user option</p>

		<ul style="list-style-type: none"> - 97F6108A - 97F8324H
V2.020.00	2015. 9. 7.Mon	<p>Support newer S/W version check via internet</p> <p>Added device</p> <ul style="list-style-type: none"> - 97F68128A <p>Improve CFG backup</p> <ul style="list-style-type: none"> - 96F6832/7064/7816
V2.019.00	2015. 7.27. Mon	Update code, XDATA every 1 sec during OCD2 device emulation
V2.018.00	2015. 7.23.Thu	<p>Added devices</p> <ul style="list-style-type: none"> - 93F5632 - 96F1206 <p>Modify 97F2664 page erase to byte erase</p> <p>Support global variable save/load function</p> <p>Fixed large/small icon display bug</p> <p>Update IDATA every 1 sec during OCD2 device emulation</p>
V2.017.00	2015. 5. 8.Fri	<p>Added devices</p> <ul style="list-style-type: none"> - 97FG316 - 96F7848C : avoid bulk erase bug <p>Warning notice : device with bit branch bug</p>
V2.016.00	2015. 3.24.Tue	<p>Added devices</p> <ul style="list-style-type: none"> - 96FT1704, 96FK102 - MPW : 94FB704, 97F1202A <p>Fixed symbol download error for MS-Windows8</p> <p>Support OCD2 isolator dongle</p>
V2.015.01	2014.12.17Wed	<p>Fixed device option SPEC. error</p> <ul style="list-style-type: none"> - Move 96F6809 VAPEN option bit
V2.015.00	2014.12.10. Wed	<p>Support English, Chinese display switching</p> <p>Support 97F60128 double buffering</p> <p>Change device option SPEC.</p> <ul style="list-style-type: none"> - Change 97F6108A default I/O option - Change 96FD316 option - Move 97F60128 /reset, boot size <p>Added devices</p> <ul style="list-style-type: none"> - 96FM408, 96F8104, 96F6809

V2.014.00	2014. 8.12. Tue	Support Windows XP (32bit)
V2.013.00	2014. 7.29. Mon	Added devices <ul style="list-style-type: none"> - 93F5616 - 96FC364, 96FR112C - 97F8264 : expand option to 4 page
V2.012.00	2014. 3.18. Tue	Change option SPEC. <ul style="list-style-type: none"> - Invert 96FT242 /Reset pin select option
V2.011.00	2013. 9.17. Tue	Add OCD2 I/F voltage selecting option Enable step over function Support CM8051 core Support long length line source file Improve Hex download, select unused area to 0x00/0xFF Added devices <ul style="list-style-type: none"> - 97F2208H EVA - 96F6416P, 96F116C - 96FD316, 96FT242 - 97F6064, 97F6108A, 97F8264
V2.010.00	2013. 8.28. Wed	Change option SPEC. <ul style="list-style-type: none"> - Remove 97F1316 AMP option Added devices <ul style="list-style-type: none"> - 96FT1616, 96FT1504 - 97F60128 - 96FR332B - 97F1316 EVA rev.
V2.009.00	2013. 5.27. Mon	If Hex file size is bigger than device code, remove extra hex Improve OCD2 device OSC measuring Add checksum function Support extended SFR <ul style="list-style-type: none"> - XSP, XSPCR(if device embedded it) Added devices <ul style="list-style-type: none"> - 93F5516 - 96FR116B, 96FR364B - 96F6508A, 96FB504 - 97F38128 test device - 97F1316 EVA - 97F2208H EVA MPW

		- MCE8112
V2.008.00	2012. 9.18. Tue	Fixed dump window - Scroller offset
V2.007.00	2012. 8. 6. Mon	Disable step over function - It is still unstable Omit duplicate source line number
V2.006.00	2012. 7.17. Tue	Environment file name use Mac address Check Server based OS environment
V2.005.00	2012. 7.12. Thu	Fixed Cypress F/W downloader
V2.004.00	2012. 7.10. Tue	Improve readability of OCD dongle initialize dialog box Support symbol endian - Big endian : OMF, OMF2 - Little endian : CDB Improve disassemble window - Support mouse wheel scroll - Add vertical scroll bar
V2.003.00	2012. 6.14. Thu	Fixed RAM break dialog popup when using OCD1 dongle
V2.002.00	2012. 6. 8. Fri	Improve I/F with low freq. target
V2.001.00	2012. 6. 7. Thu	Improve time delay function Add ADC2011
V2.000.00	2012. 5.25. Fri	Support OCD1 and OCD2 dongle First released version

Device list

Series	Devices			
MC/A93	MC93CV401 MC93F5508 MC93F5516	MC93F5508B MC93F5616	MC93F5509 MC93F5632	
MC/A94	MC94A332 MC94F1202A MC94FB204 MC94PU20 A94B114 A94B316 A94B391 A94B428 A94B517 A94Q116 A94Q427	MC94FB704 A94B336 A94B438	A94B346	A94B361
MC/A95	MC95FG0128 MC95FG104 MC95FR332 MC95FT081	MC95FG204 MC95FR364	MC95FG308	
MC/A96	MC96F1206 MC96F4548 MC96F5216 MC96F6416P MC96F6508A MC96F7064 MC96F7848C MC96F8104 MC96FB504EVA MC96FC364 MC96FD316 MC96FK102 MC96FM204 MC96FR112C MC96FR4064 MC96FR332A	MC96F5304 MC96F6432 MC96F6509 MC96F7616A MC96F7864 MC96F8204 MC96FC864 MC96FM408 MC96FR116B MC96FR4128 MC96FR332B	MC96F6832 MC96F7816 MC96F8316 MC96FC864A MC96FR116C MC96FR364B	MC96FR364C

	MC96FT082 MC96FT1504 MC96FT241 MC96P0202EVA A96G140 A96G166 A96G174 A96L302 A96L416 A96R136 A96R140 A96R150 A96R725 A96R739 A96T218 A96T316 A96T346 A96T356 A96T365	MC96FT083 MC96FT1516B MC96FT242 MC96P1102EVA A96L312 A96T228 A96T316-ADC	MC96FT085 MC96FT1616 MC96P6608EVA A96L322 A96T326	MC96FT1704 A96T336
MC/A97	MC97F1206EVA MC97F2664 MC97F38128 MC97F60128 MC97F6108A MC97F6108M MC97F68128A MC97F8264 MC97FG316 A97C450 A97C624	MC97F1316EVA MC97F3864 MC97F6064 MC97F8324H	MC97F2208EVA	
Etc	MC91CS801	MCE811	MH2E23N	AL4000