

XMC™ Programmiers und Flash Tools

XMC Microcontrollers
November 2017



Overview: XMC™ Programmer and Flash Tools (1/7)

	Programmer		XMC 1000	XMC 4000	Type	Usage
http://www.infineon.com/XMC-Link 	XMC-Link and Flasher ARM (Support Protocol: SWD/JTAG)		☑(1)	☑	MP	Development (PC required)
http://www.infineon.com/das 	MemTool V4 (free of charge)+ UDAS + DAP MiniWiggler (Support Protocol: ASC BSL/SWD/SPD)		☑(1)	☑	ISP	Development (PC required, no scripting, simple batch)

Note: (1) Support BMI configuration changes.

Legend: **ISP**->In-System Programmer; **MP**->Manual Programmer; **AP**->Auto Programmer

Overview: XMC™ Programmer and Flash Tools (2/7)

	Programmer		XMC 1000	XMC 4000	Type	Usage
http://www.pls-mc.com/ 	UDE Standalone MemTool + UDAS + DAP MiniWiggler (Support Protocol: ASC BSL/SWD/JTAG/SPD)		☒ (1)	☒	ISP	Development Production (PC required, scripting)
http://www.pls-mc.com/ 	UDE Standalone MemTool + UAD2 (Support Protocol: ASC BSL/SWD/JTAG)		☒	☒	ISP	Development Production (PC required, scripting)

Note: (1) Support BMI configuration changes.

Legend: **ISP**->In-System Programmer; **MP**->Manual Programmer; **AP**->Auto Programmer

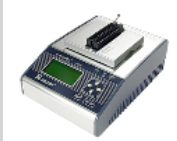
Overview: XMC™ Programmer and Flash Tools (3/7)

	Programmer		XMC 1000	XMC 4000	Type	Usage
https://www.segger.com/index.html 	J-LINK (Support Protocol: SWD/JTAG)		☑	☑	ISP	Development (PC required, scripting)
https://www.segger.com/index.html 	Flasher ARM(Support Protocol: SWD/JTAG/ASC)		☑(1)	☑	AP	Production (PC, auto mode)
http://www.wave-cn.com/ (For China Market only) 	Nanjing Wave Standalone In-System Programmer (Support Protocol: ASC BSL)		☑(1)	☑	ISP	Development Production (PC/ standalone, auto mode)

Note: (1) Support BMI configuration changes.

Legend: **ISP**->In-System Programmer; **MP**->Manual Programmer; **AP**->Auto Programmer

Overview: XMC™ Programmer and Flash Tools (4/7)

	Programmer		XMC 1000	XMC 4000	Type	Usage
http://www.xeltek.com/ XELTEK	Off-line Engineering Programmer: SUPERPRO 6100/7000 (Support Protocol: ASC BSL)		☑(1)	☑	MP	Production (PC/ standalone, auto mode)
	Off-line Production Programmer: SUPERPRO 5004GP/6004GP (Support Protocol: ASC BSL)		☑(1)	☑	MP	Production (PC, auto mode)
	In-System Programmer: SUPERPRO/IS01 (Support Protocol: ASC BSL)		☑(1)	☑	ISP	Development Production (standalone, auto mode)

Note: (1) Support BMI configuration changes.

Legend: **ISP**->In-System Programmer; **MP**->Manual Programmer; **AP**->Auto Programmer

Overview: XMC™ Programmer and Flash Tools (5/7)

	Programmer		XMC 1000	XMC 4000	Type	Usage
http://dataio.com/ 	FlashPAK (Support Protocol: ASC BSL/SWD)		☑	-	MP	Production (PC required, scripting)
	FLX, PS FAMILY, PSV FAMILY (Support Protocol: ASC BSL/SWD)		☑	-	AP	High volume Production (2000 devices/hr)
http://www.hilosystems.com.tw/en/ 	Universal and Gang Programmer: ALL-100A/AP (Support Protocol: ASC BSL)		☑(1)	In-work	MP	Production (PC required)

Note: (1) Support BMI configuration changes.

Legend: **ISP**->In-System Programmer; **MP**->Manual Programmer; **AP**->Auto Programmer

Overview: XMC™ Programmer and Flash Tools (6/7)

	Programmer		XMC 1000	XMC 4000	Type	Usage
http://www.bpmmicro.com/ 	2800 (Support Protocol: ASC BSL)		☑(1)	-	MP	Development Production (standalone, no scripting)
	3800, 4800 (Support Protocol: ASC BSL)		☑(1)	-	AP	High volume Production (1500 devices/hr)
http://www.smh-tech.com/ 	FlashRunner (Support Protocol: SWD)		☑(1)	☑	ISP	Production (standalone)

Note: (1) Support BMI configuration changes.

Legend: **ISP**->In-System Programmer; **MP**->Manual Programmer; **AP**->Auto Programmer

Overview: XMC™ Programmer and Flash Tools (7/7)

	Programmer		XMC 1000	XMC 4000	Type	Usage
PE micro 	CYCLONE In-Circuit Production Flash Programmers		☑	☑	ISP	Stand alone in circuit production programmer
	CYCLONE FX Advanced In-Circuit Production Flash Programmers		☑	☑	ISP	Stand alone in circuit production programmer

Note: (1) Support BMI configuration changes.

Legend: **ISP**->In-System Programmer; **MP**->Manual Programmer; **AP**->Auto Programmer

Support material:

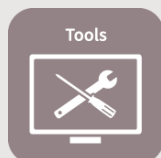
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- › Product Briefs
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- › Application Brochures
- › Presentations
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- › Datasheets, MCDS Files
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Glossary abbreviations

› ASC	Asynchronous Serial Interface
› BSL	Bootstrap Loader
› DAVE™	Free development IDE for XMC
› DAS	Debug Access Server
› JTAG	Joint Test Action Group
› SWD	Serial Wire Debug
› UDE	Universal Debug Engine

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