

MICROCONTROLLER TECHNOLOGIES

COP8SAx7, COP8SGx7 Family OTP PROGRAMMER SUPPORT

Updated - 01/28/99 (Download the latest version of this document: www.national.com/cop8 at OTP Support)

Programmer Information			COP8Sxx7					Notes (n) below
VENDOR	Programmer	(5)	SAA	SAB	SAC	SGE	SGR	
Advantech	LabTool-48	E	C 2.52B	C 2.52B	C 2.52B	C 2.52B	C 2.52B	(1) In final evaluation; OK to use temporarily
American Reliance	Spectrum-48	E	C 2.52B	C 2.52B	C 2.52B	C 2.52B	C 2.52B	(1) In final evaluation; OK to use temporarily
BP Microsystems	1140/1148	E	P 3.27	P	P	P	P	(1) Supported, but not yet evaluated.
	1200/1400	H	C v3.2	A v3.2	A v3.2	A v3.35	A v3.35	(1) SAA20 does not work.
	2100/4100	M	C v3.20	A v3.20	A v3.20	A v3.35	A v3.35	(1) SAA20 does not work.
Data I/O	UNISITE	P	A v5.6	A v5.6	A v5.6	P	P	Call Data I/O for SGR support
	2900/3900/Autosite	H	A v5.6	A v5.6	A v5.6	P	P	Call Data I/O for SGR support
Dataman	Dataman-48	E	C 2.52B	C 2.52B	C 2.52B	C 2.52B	C 2.52B	(1) In final evaluation; OK to use temporarily
HI-LO	ALL-07	P	A note*	A note*	A note*	C *note	C *note	(1) Use Sax menus for SGx until updated. *note: COP8SA.exe, v3.01; ACOP8SA.exe, v3.00A
	ALL-11	P	P	P	P	P	P	(1) In final evaluation.
	All-08 (DIPx8)	G	P	P	P	P	P	(2) In final evaluation.
ICE Technology	GLV-COP (DIPx8)	G	A v1.15	A v1.15	A v1.15	C v1.15	C v1.15	(2) ICE has SOIC and PLCC adapters. Use Sax menus for SGx until updated.
Lloyd Research	L9000 + PL850 (DIP/SOICx8)	G	A 2.BW	A 2.BW	A 2.BW	C 2.CE	C 2.CE	(2) Lloyd has SOIC and PLCC adapters.
Logical Devices	Chipmaster 6000	E	C 2.52B	C 2.52B	C 2.52B	C 2.52B	C 2.52B	(1) In final evaluation; OK to use temporarily
	ALLPRO-96	P	P v7.1.30	P v7.1.30	P v7.1.30	P	P	(1) Supported; Not evaluated.
Metalink	EPU	E	A 3.5,v16	A 3.5,v16	A 3.5,v16	A 4.1,v5	A 4.1,v5	(1) Use COPSA-PGMA adapter for SOIC and PLCC; Use COP8-PGMA-28SO for SOIC only;
	DM4	E	A 3.6,v2	A 3.6,v2	A 3.6,v2	A 4.1,v2	A 4.1,v2	(1) DM4 Supports DIP/SOIC/PLCC without adapter; COP8-PGMA-28SO is recommended for frequent use;
Minato		E	C 2.52B	C 2.52B	C 2.52B	C 2.52B	C 2.52B	(1) In final evaluation; OK to use temporarily
MQP	MP-48	E	A v1.36	A v1.36	A v1.36	P	P	(1)(3) Call MQP for SGx7 update.
Needhams	EMP-20/30	E	C v3.71	C v3.71	C v3.71	C v3.71	P	(1) Call Needhams for SGx7 update.
Phyton	MPP	E	P	P	P	P	P	(1) Supported; Not yet evaluated.
Promax SPA		E	C 2.52B	C 2.52B	C 2.52B	C 2.52B	C 2.52B	(1) In final evaluation; OK to use temporarily
SMS	Expert/Optima	H	C vC97	C vC97	C vC97	P	P	(1) Requires socket modifications for different packages. Call SGS for SGx7 update.
	MultiSyte	M	C vC97	C vC97	C vC97	P	P	(1) Requires socket modifications for different packages. Call SMS for SGx7 update.
Stag	Eclipse + EPU48D	P	P v7.1.30	P v7.1.30	P v7.1.30	P	P	(1) Supported; Not evaluated.
System Gen.	TURPRO +COP8 Adapter	H	P	P	P	P	P	(1) In evaluation; Call System General. Requires COP8 adapter for all packages, incl. DIP.
	Multi-APRO + COP8 Adapter	M	A 2.07E	A 2.07E	A 2.07E	P	P	(1) Requires COP8 Adapter for all packages, incl. DIP.
Tribal	Flex 700	P	A note*	A note*	A note*	C *note	C *note	(1) Use Sax menus for SGx until updated. *note: COP8SA.exe, v3.01; ACOP8SA.exe, v3.00A
	ALL-11	P	P	P	P	P	P	(1) In final evaluation.
	All-08 (DIPx8)	G	P	P	P	P	P	(2) In final evaluation.
Xeltek	Superpro-3	E	P	P	P	P	P	(1) In evaluation; Call Xeltek.

A = APPROVED. Passed qualification tests for program and verify (No DC or functional testing)

C = CONDITIONALLY APPROVED. Limitations or conditions apply. Update to Approved version is recommended when available.

P = PENDING. Development/Evaluation in process. CONTACT THE PROGRAMMER VENDOR FOR STATUS INFORMATION.

- NOTES:**
- (1) All programmers have DIP sockets, and use modules or programming adapters for SOIC, PLCC, and QFP. Available from programmer vendor (ask), or National (COP8-PGMA-28SO for SOIC; COP8-PGMA-44QFP for 44QFP).
 - (2) Gang adapters available from vendor (ask) or National (Use 8 each COP8-PGMA-28SO for SOICx8; Use 4 each COP8-PGMA-44GNG for 44PLCCx8; Use 4 each COP8-PGMA-44QFP for 44QFPx4).
 - (3) 32DIP adapters for ALL 8SAx7 packages (From MQP). Specifications on our web site: www.national.com/cop8.
 - (5) E = Approved for ENGINEERING use only, and is not recommended for production programming.
P = Approved for PRODUCTION programming by hand-insertion.
H = Approved for direct-docking, automated HANDLER environments, in addition to Production, hand-insertion programming.
G = Approved for Parallel GANG production programming, hand insertion.
M = Approved for MULTI-SITE, concurrent production programming, hand insertion or automated insertion.