

CMOS 16-bit microcontroller family

16-BIT CONTROLLERS (68000 ARCHITECTURE)

TYPE	(EP)ROM	RAM	SPEED (MHz)	FUNCTIONS	REMARKS	PHILIPS TOOLS	THIRD-PARTY TOOLS
68070	–	–	17.5	2 DMA channels, MMU, UART, 16-bit timer, I ² C, 68000 bus interface, 16Mb address range		OM4160 Microcore 1 OM4160/2 Microcore 2 OM4161 (SBE68070) OM4767/2 XRAY68070SBE high level symbolic debugger OM4222 68070DS development system OM4226 XRAY68070DS high level symbolic debugger	TRACE32-ICE68070 (Lauterbach)
93C101	34k	512	15	Derivative with low power modes	Not for new design		
90CE201	16MB external ROM	16MB external RAM	24	UART, fast I ² C, 3 timers (16 bit), Watchdog timer. 68000 software compatible, EMC, QFP64	–25 to +85°C	OM4162 Microcore 4	TRACE32 – (Lauterbach)

16-BIT CONTROLLERS (XA ARCHITECTURE)

TYPE	(EP)ROM	RAM	SPEED (MHz)	FUNCTIONS	REMARKS	DEVELOPMENT TOOLS
XA-G1	8k	512	30	3 timers, watchdog, 2 UARTs	–40 to +125°C	Nohau Ceibo MacCraigor Systems
XA-G2	16k	512	30	3 timers, watchdog, 2 UARTs	–40 to +125°C	Nohau Ceibo MacCraigor Systems
XA-G3	32k	512	30	3 timers, watchdog, 2 UARTs	–40 to +125°C	Nohau Ceibo MacCraigor Systems