

FREESCALE Microprocessors

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POWERQUICC™ COMMUNICATIONS PROCESSORS (CONT.)

MPC8241: PowerQUICC™ Integrated Host Processors

The MPC8241 Integrated Host Processor fits applications where cost, space, power consumption, and performance are critical requirements. This device provides a high level of integration, reducing chip count from five discrete chips to one, thereby significantly reducing system component cost. High integration results in a simplified board design, less power consumption, and a faster-time-to-market solution. This cost-effective, general purpose integrated processor targets systems using PCI interfaces in networking infrastructure, telecommunications, and other embedded markets. It can be used for control processing in applications such as routers, switches, network storage applications, and image display systems.

For quantities 100 and up, call for quote.

MOUSER STOCK NO.	Freescale Part No.	Fig.	Package	Operating Frequency max. (MHz)	Operating Voltage (V)	CPU Perform. (MIPS)	Price Each	
							1	25
841-MPC8241TZQ166D	MPC8241TZQ166D	A	TBGA 352	166	3.3	315.4	39.32	36.37
841-MPC8241LZQ166D	MPC8241LZQ166D	A	TBGA 352	166	3.3	315.4	30.24	27.97
841-MPC8241TZQ200D	MPC8241TZQ200D	A	TBGA 352	200	3.3	380	44.32	41.00
841-MPC8241LZQ200D	MPC8241LZQ200D	A	TBGA 352	200	3.3	380	34.08	31.52
841-MPC8241LZQ266D	MPC8241LZQ266D	A	TBGA 352	266	3.3	266	42.94	39.72

MPC8245: PowerQUICC™ Integrated Host Processors

The MPC8245 Integrated Host Processor fits applications where cost, space, power consumption, and performance are critical requirements. This device provides a high level of integration, reducing chip count from five discrete chips to one, thereby significantly reducing system component cost. High integration results in a simplified board design, less power consumption, and a faster-time-to-market solution. This cost-effective, general purpose integrated processor targets systems using PCI interfaces in networking infrastructure, telecommunications, and other embedded markets. It can be used for control processing in applications such as routers, switches, network storage applications, and image display systems.

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							1	25
841-MPC8245LZU266D	MPC8245LZU266D	A	TBGA 352	266	3.3	505.4	66.76	61.75
841-MPC8245LVV266D	MPC8245LVV266D	A	TBGA 352	266	3.3	505.4	66.76	61.75
841-MPC8245LZU300D	MPC8245LZU300D	A	TBGA 352	300	3.3	570	79.40	73.45
841-MPC8245TZU333D	MPC8245TZU333D	A	TBGA 352	333	3.3	632.7	109.14	100.95
841-MPC8245TZU350D	MPC8245TZU350D	A	TBGA 352	350	3.3	665	128.52	118.88
841-MPC8245LZU350D	MPC8245LZU350D	A	TBGA 352	350	3.3	665	81.56	76.62

MC68360: PowerQUICC™ Quad Integrated Communication Controllers

The MC68360 Quad Integrated Communication Controller is a versatile one-chip integrated microprocessor and peripheral combination family that can be used in a variety of controller applications. The MC68360 particularly excels in communications activities. The QUICC can be described as a next-generation MC68302, with higher performance in all areas of device operation, increased flexibility, and higher integration. The term "quad" comes from the fact that there are four serial communications controllers (SCCs) on the device. However, there are actually seven serial channels which include four SCCs, two serial management controllers (SMCs), and one serial peripheral interface (SPI).

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MOUSER STOCK NO.	Freescale Part No.	Fig.	Package	Operating Frequency max. (MHz)	Operating Voltage (V)	CPU Perform. (MIPS)	Price Each	
							1	25
841-MC68EC020AA16	MC68EC020AA16	B	WFP 100	16	5	10	26.88	24.86
841-MC68340AB25E	MC68340AB25E	C	QFP 144	25	5	4.8	43.04	39.81

INTEGRATED COLD FIRE® MICROPROCESSORS

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MOUSER STOCK NO.	Freescale Part No.	Fig.	Package	Operating Frequency max. (MHz)	Operating Voltage (V)	CPU Perform. (MIPS)	Price Each	
							1	25
841-MCF5272VM66	MCF5272VM66	D	MAPBGA-196	66	3.3	63	21.78	20.15
841-MCF5272CVM66	MCF5272CVM66	D	MAPBGA-160	66	1.8/3.3	63	18.66	17.26
841-MCF5249VF140	MCF5249VF140	D	MAPBGA-160	140	3.3	125	21.44	19.83

