



Feature Overview XE166 Family

Product Type	Max Clock Frequency (MHz)	Program Memory (KB)	SRAM (incl. Cache) (KB)	Coprocessor ¹⁾	Digital I/O Lines	Number of ADC Channels	"Timed I/O Channels (PWM, CAPCOM, GP1A)" ²⁾	External Bus Interface	CAN Nodes	Serial Interfaces ²⁾	Temperature Ranges ³⁾	Packages
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Classic Series – Alpha Line

XE164x	XE164K-96F66L	66	768	82	MAC	75	11	30	yes	-	4xUSIC	F	PG-LQFP-100
	XE164H-96F66L	66	768	82	MAC	75	16	37	yes	-	6xUSIC	F	PG-LQFP-100
	XE164G-96F66L	66	768	82	MAC	75	11	30	yes	2	4xUSIC	F	PG-LQFP-100
	XE164F-96F66L	66	768	82	MAC	75	16	37	yes	4	6xUSIC	F	PG-LQFP-100
	XE164F-96F80L	80	768	82	MAC	75	16	37	yes	4	6xUSIC	F	PG-LQFP-100
XE167x	XE167K-96F66L	66	768	82	MAC	118	16	30	yes	-	4xUSIC	F	PG-LQFP-144
	XE167H-96F66L	66	768	82	MAC	118	24	44	yes	-	6xUSIC	F	PG-LQFP-144
	XE167G-96F66L	66	768	82	MAC	118	16	30	yes	2	4xUSIC	F	PG-LQFP-144
	XE167F-96F66L	66	768	82	MAC	118	24	44	yes	5	6xUSIC	F	PG-LQFP-144
	XE167F-96F80L	80	768	82	MAC	118	24	44	yes	5	6xUSIC	F	PG-LQFP-144

U Series – Compact Line

XE160x	XE160FU-4F66R	66	32	8	MAC	28	8	15	no	-	2xUSIC	F,K	PG-TSSOP-38
	XE160FU-8F66R	66	64	8	MAC	28	8	15	no	-	2xUSIC	F,K	PG-TSSOP-38
XE161x	XE161FU-4F66V	66	32	8	MAC	33	10	15	no	-	2xUSIC	F,K	PG-VQFN-48
	XE161FU-8F66V	66	64	8	MAC	33	10	15	no	-	2xUSIC	F,K	PG-VQFN-48

L Series – Econo Line

XE161x	XE161FL-12F80V	80	96	12	MAC	33	10	21	no	1	4xUSIC	F,K	PG-VQFN-48
	XE161FL-20F80V	80	160	12	MAC	33	10	21	no	1	4xUSIC	F,K	PG-VQFN-48
	XE161HL-12F80V	80	96	12	MAC	33	10	21	no	1	4xUSIC	F,K	PG-VQFN-48
	XE161HL-20F80V	80	160	12	MAC	33	10	21	no	1	4xUSIC	F,K	PG-VQFN-48
XE162x	XE162FL-12F80L	80	96	12	MAC	48	19	21	no	1	4xUSIC	F,K	PG-LQFP-64
	XE162FL-20F80L	80	160	12	MAC	48	19	21	no	1	4xUSIC	F,K	PG-LQFP-64
	XE162HL-12F80L	80	96	12	MAC	48	19	21	no	1	4xUSIC	F,K	PG-LQFP-64
	XE162HL-20F80L	80	160	12	MAC	48	19	21	no	1	4xUSIC	F,K	PG-LQFP-64

N Series – Value Line

XE162xN	XE162HN-16F80L	80	128	18	MAC	40	9	23	no	-	6xUSIC	F,K	PG-LQFP-64
	XE162HN-24F80L	80	192	26	MAC	40	9	23	no	-	6xUSIC	F,K	PG-LQFP-64
	XE162HN-40F80L	80	320	34	MAC	40	9	23	no	-	6xUSIC	F,K	PG-LQFP-64
	XE162FN-16F80L	80	128	18	MAC	40	9	23	no	2	6xUSIC	F,K	PG-LQFP-64
	XE162FN-24F80L	80	192	26	MAC	40	9	23	no	2	6xUSIC	F,K	PG-LQFP-64
	XE162FN-40F80L	80	320	34	MAC	40	9	23	no	2	6xUSIC	F,K	PG-LQFP-64
XE164xN	XE164KN-16F80L	80	128	18	MAC	75	11	30	yes	-	4xUSIC	F,K	PG-LQFP-100
	XE164KN-24F80L	80	192	26	MAC	75	11	30	yes	-	4xUSIC	F,K	PG-LQFP-100
	XE164KN-40F80L	80	320	34	MAC	75	11	30	yes	-	4xUSIC	F,K	PG-LQFP-100
	XE164HN-16F80L	80	128	18	MAC	75	16	30	yes	-	6xUSIC	F,K	PG-LQFP-100
	XE164HN-24F80L	80	192	26	MAC	75	16	30	yes	-	6xUSIC	F,K	PG-LQFP-100
	XE164HN-40F80L	80	320	34	MAC	75	16	30	yes	-	6xUSIC	F,K	PG-LQFP-100
	XE164GN-16F80L	80	128	18	MAC	75	11	30	yes	2	4xUSIC	F,K	PG-LQFP-100
	XE164GN-24F80L	80	192	26	MAC	75	11	30	yes	2	4xUSIC	F,K	PG-LQFP-100
	XE164GN-40F80L	80	320	34	MAC	75	11	30	yes	2	4xUSIC	F,K	PG-LQFP-100
	XE164FN-16F80L	80	128	18	MAC	75	16	30	yes	2	6xUSIC	F,K	PG-LQFP-100
	XE164FN-24F80L	80	192	26	MAC	75	16	30	yes	2	6xUSIC	F,K	PG-LQFP-100
	XE164FN-40F80L	80	320	34	MAC	75	16	30	yes	2	6xUSIC	F,K	PG-LQFP-100



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M Series – Base Line

	Product Type	Max Clock Frequency (MHz)	Program Memory (KB)	SRAM (incl. Cache) (KB)	Coprocessor ³⁾	Digital I/O Lines	Number of ADC Channels	"Timed I/O Channels (PWM, CAPCOM, GP1A)" ²⁾	External Bus Interface	CAN Nodes	Serial Interfaces ²⁾	Temperature Ranges ³⁾	Packages
XE162xM	XE162HM-48F80L	80	384	34	MAC	40	9	23	no	-	6xUSIC	F	PG-LQFP-64
	XE162HM-72F80L	80	576	50	MAC	40	9	23	no	-	6xUSIC	F	PG-LQFP-64
	XE162FM-48F80L	80	384	34	MAC	40	9	23	no	2	6xUSIC	F	PG-LQFP-64
	XE162FM-72F80L	80	576	50	MAC	40	9	23	no	2	6xUSIC	F	PG-LQFP-64
XE164xM	XE164KM-48F80L	80	384	34	MAC	76	11	30	yes	-	4xUSIC	F,K	PG-LQFP-100
	XE164KM-72F80L	80	576	50	MAC	76	11	30	yes	-	4xUSIC	F,K	PG-LQFP-100
	XE164HM-48F80L	80	384	34	MAC	76	16	37	yes	-	6xUSIC	F,K	PG-LQFP-100
	XE164HM-72F80L	80	576	50	MAC	76	16	37	yes	-	6xUSIC	F,K	PG-LQFP-100
	XE164GM-48F80L	80	384	34	MAC	76	11	30	yes	2	4xUSIC	F,K	PG-LQFP-100
	XE164GM-72F80L	80	576	50	MAC	76	11	30	yes	2	4xUSIC	F,K	PG-LQFP-100
	XE164FM-48F80L	80	384	34	MAC	76	16	37	yes	4	6xUSIC	F,K	PG-LQFP-100
	XE164FM-72F80L	80	576	50	MAC	76	16	37	yes	4	6xUSIC	F,K	PG-LQFP-100
XE167xM	XE167KM-48F80L	80	384	34	MAC	119	16	30	yes	-	4xUSIC	F,K	PG-LQFP-144
	XE167KM-72F80L	80	576	50	MAC	119	16	30	yes	-	4xUSIC	F,K	PG-LQFP-144
	XE167HM-48F80L	80	384	34	MAC	119	24	44	yes	-	8xUSIC	F,K	PG-LQFP-144
	XE167HM-72F80L	80	576	50	MAC	119	24	44	yes	-	8xUSIC	F,K	PG-LQFP-144
	XE167GM-48F80L	80	384	34	MAC	119	16	30	yes	2	4xUSIC	F,K	PG-LQFP-144
	XE167GM-72F80L	80	576	50	MAC	119	16	30	yes	2	4xUSIC	F,K	PG-LQFP-144
	XE167FM-48F80L	80	384	34	MAC	119	24	44	yes	5	8xUSIC	F,K	PG-LQFP-144
	XE167FM-72F80L	80	576	50	MAC	119	24	44	yes	5	8xUSIC	F,K	PG-LQFP-144

H Series – High Line

	Product Type	Max Clock Frequency (MHz)	Program Memory (KB)	SRAM (incl. Cache) (KB)	Coprocessor ³⁾	Digital I/O Lines	Number of ADC Channels	"Timed I/O Channels (PWM, CAPCOM, GP1A)" ²⁾	External Bus Interface	CAN Nodes	Serial Interfaces ²⁾	Temperature Ranges ³⁾	Packages
XE167xH	XE167FH-136F100L	100	1088	138	MAC	98	24	60	yes	6	8xUSIC	F,K	PG-LQFP-144
	XE167FH-200F100L	100	1600	138	MAC	118	24	60	yes	6	8xUSIC	F,K	PG-LQFP-144
XE169xH	XE169FH-136F100L	100	1088	138	MAC	98	30	60	yes	6	10xUSIC	F,K	PG-LQFP-176
	XE169FH-200F100L	100	1600	138	MAC	118	30	60	yes	6	10xUSIC	F,K	PG-LQFP-176

www.infineon.com/XE166

F = -40 – 85 °C, K = -40 – 125 °C

Published by
Infineon Technologies AG
85579 Neuburg, Germany

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Date: 02 / 2011

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