

COMe-mEL10 (E2)



COM Express® mini Type 10 with Intel Atom® x6000E, Pentium® and Celeron® Series

- ▶ Low-Power – Performance/Watt optimized form factor solution
- ▶ Up to 16 GByte LPDDR4 memory down (In-Band ECC)
- ▶ 2x USB 3.1/2.0, 6x USB 2.0, USB client optional, 2x SATA, eMMC Flash
- ▶ 1 GbE (optional 2.5 GbE) with TSN support
- ▶ Industrial grade temperature

CPU Variants

BRAND	PROCESSOR NUMBER	TDP	CORES	THREADS	CACHE	BASE FREQ	MAX TURBO FREQ	GRAPHICS GEN 11	ECC	PREMIUM IO	FUNCTIONAL SAFETY CERTIFIED	USE CONDITION
INTEL® CELERON® PROCESSOR	J6413	10 W	4	4	1.5 MByte	1.8 GHz	3.0 GHz	16 EU	no	Intel® PSE	no	PC Client
INTEL® PENTIUM® PROCESSOR	J6426	10 W	4	4	1.5 MByte	2.0 GHz	3.0 GHz	32 EU	no	Intel® PSE	no	PC Client
INTEL® CELERON® PROCESSOR	N6211	6.5 W	2	2	1.5 MByte	1.2 GHz	3.0 GHz	16 EU	no	Intel® PSE	no	PC Client
INTEL® PENTIUM® PROCESSOR	N6415	6.5 W	4	4	1.5 MByte	1.2 GHz	3.0 GHz	16 EU	no	Intel® PSE	no	PC Client
INTEL ATOM® PROCESSOR	x6211E	6 W	2	2	1.5 MByte	1.3 GHz	3.0 GHz	16 EU	Yes– In Band	Intel® PSE	no	Embedded
INTEL ATOM® PROCESSOR	x6413E	9 W	4	4	1.5 MByte	1.5 GHz	3.0 GHz	16 EU	Yes– In Band	Intel® PSE	no	Embedded
INTEL ATOM® PROCESSOR	x6425E	12 W	4	4	1.5 MByte	2.0 GHz	3.0 GHz	32 EU	Yes– In Band	Intel® PSE	no	Embedded
INTEL ATOM® PROCESSOR	x6212RE	6 W	2	2	1.5 MByte	1.2 GHz	n/a	16 EU	Yes– In Band	Intel® PSE, Intel® TCC	no	Industrial
INTEL ATOM® PROCESSOR	x6214RE	6 W	2	4	1.5 MByte	1.4 GHz	n/a	16 EU	Yes– In Band	Intel® PSE, Intel® TCC	no	Industrial
INTEL ATOM® PROCESSOR	x6414RE	9 W	4	4	1.5 MByte	1.5 GHz	n/a	16 EU	Yes– In Band	Intel® PSE, Intel® TCC	no	Industrial
INTEL ATOM® PROCESSOR	x6416RE	9 W	4	4	1.5 MByte	1.7 GHz	n/a	16 EU	Yes– In Band	Intel® PSE, Intel® TCC	no	Industrial
INTEL ATOM® PROCESSOR	x6425RE	12 W	4	4	1.5 MByte	1.9 GHz	n/a	32 EU	Yes– In Band	Intel® PSE, Intel® TCC	no	Industrial

Standard Variants

PART NO.	CPU	MEMORY	ETH PHY (1 GBE OR 2.5 GBE)	FLASH - eMMC	VARIOUS	OP. TEMPERATURE
34012-0416-N1-2	N6211	4 GByte, 3200 MT/s	1 GbE	16 GByte MLC	LPC, LVDS	0 °C - 60 °C
34012-0432-J2-4	J6426	4 GByte, 3733 MT/s	1 GbE	32 GByte MLC	LPC, LVDS	0 °C - 60 °C
34013-0416-R1-2	x6212RE	4 GByte, 3200 MT/s	1 GbE	16 GByte MLC	LPC, LVDS	-40 °C - 85 °C
34013-0432-R1-4	x6414RE	4 GByte, 3200 MT/s	1 GbE	32 GByte MLC	LPC, LVDS	-40 °C - 85 °C
34013-0832-R2-4	x6425RE	8 GByte, 4267 MT/s	1 GbE	32 GByte MLC	LPC, LVDS	-40 °C - 85 °C

Please contact your sales representative for other versions.

Carrier

ARTICLE	PART NO.	DESCRIPTION
COME EVAL CARRIER T10 GEN2	34101-0000-00-2	COM Express® Eval Carrier Type 10 Gen 2
COME REFCARRIER-I T10 TNIP	34105-0000-00-0	COM Express® Reference Carrier-i Type 10 Thin-nanoITX Professional

Cooling

ARTICLE	PART NO.	DESCRIPTION
HSP COME-MEL10 (E2) THREAD	34013-0000-99-0	Heatspreader for COME-mEL10 commercial and E2, threaded mounting holes
HSP COME-MEL10 (E2) THROUGH	34013-0000-99-1	Heatspreader for COME-mEL10 commercial and E2, through holes
HSP COME-MEL10 (E2) SLIM THREAD	34013-0000-99-2	Heatspreader for Slimline 6.5 mm for COME-mEL10 commercial and E2, threaded mounting holes
HSP COME-MEL10 (E2) SLIM THROUGH	34013-0000-99-3	Heatspreader for Slimline 6.5 mm for COME-mEL10 commercial and E2, through holes
COME MINI ACTIVE UNI COOLER	34099-0000-99-0	COM Express® mini Universal Active Cooler for Heatspreader Mounting
COME MINI PASSIVE UNI COOLER	34099-0000-99-1	COM Express® mini Universal Passive Cooler for Heatspreader Mounting
COME MINI PASSIVE UNI COOLER SLIM TOP MOUNT	34099-0000-99-3	COM Express® mini Universal Passive Cooler Slim for Heatspreader Top Mounting

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