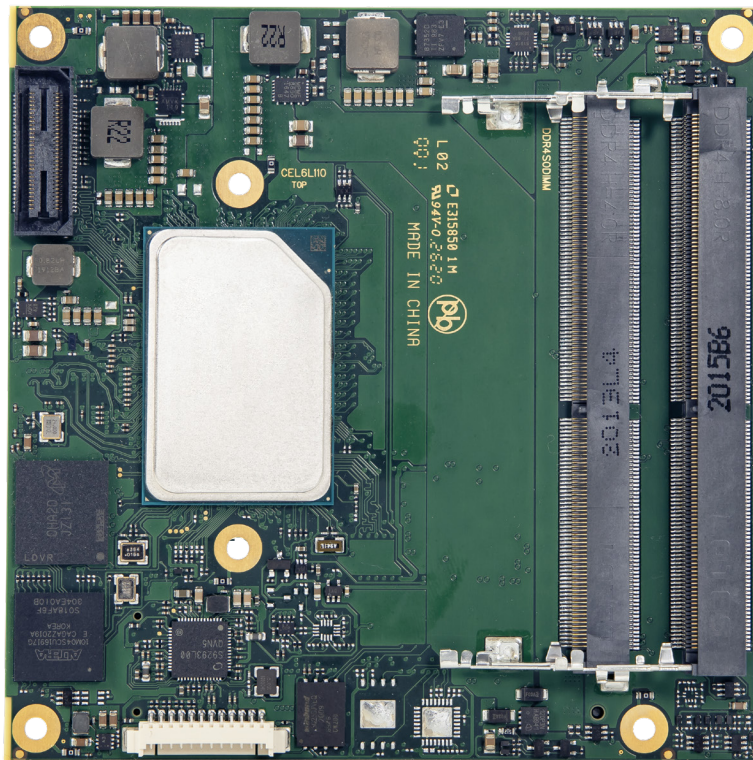


COMe-cEL6 (E2)



COM Express® Compact Type 6 with Intel Atom® x6000E, Pentium® and Celeron® Series

- ▶ Low-power – performance/watt optimized form factor solution
- ▶ Up to 32 GByte DDR4-3200 Memory via 2x SODIMM sockets (In-Band ECC)
- ▶ Triple display support
- ▶ 6x PCIe 3.0 lanes, up to 4x USB 3.1/2.0, 4x USB 2.0, 2x SATA, eMMC Flash
- ▶ 1 GbE (optional 2.5 GbE) with TSN support

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

Variants

PART NO.	CPU	SO-DIMM	ETH PHY (1 GbE OR 2.5 GbE)	USB 3.1 (2 OR 4)	FLASH - EMMC	VARIOUS	OP. TEMPERATURE
36033-0000-N1-2	N6211	non-ECC	1 GbE	2	no	LPC, LVDS	0 °C - 60 °C
36033-0000-J2-4	J6426	non-ECC	1 GbE	2	no	LPC, LVDS	0 °C - 60 °C
36034-0000-R1-2	x6212RE	Inband-ECC	1 GbE	2	no	LPC, LVDS	-40 °C - 85 °C
36034-0000-R1-4	x6414RE	Inband-ECC	1 GbE	2	no	LPC, LVDS	-40 °C - 85 °C
36034-0000-R2-4	x6425RE	Inband-ECC	1 GbE	2	no	LPC, LVDS	-40 °C - 85 °C

Please contact your sales representative for other versions.

Carrier

ARTICLE	PART NO.	DESCRIPTION
COMe EVAL CARRIER2 T6	38116-0000-00-5	COM Express® Evaluation Carrier Type 6

Cooling

ARTICLE	PART NO.	DESCRIPTION
HSP COME-CEL6 (E2) THREADED	36034-0000-99-0	Heatspreader for COMe-cEL6 commercial and E2, threaded mounting holes
HSP COME-CEL6 (E2) THROUGH	36034-0000-99-1	Heatspreader for COMe-cEL6 commercial and E2, through holes
COME ACTIVE UNI COOLER (W/O HSP)	36099-0000-99-0	COM Express® Universal Active Cooler for Heatspreader Mounting (87x78x14.3 mm) (for CPU's <20 W)
COME PASSIVE UNI COOLER (W/O HSP)	36099-0000-99-1	COM Express® Universal Passive Cooler for Heatspreader Mounting (87x78x14.3 mm)
COME PASSIVE UNI COOLER2 SLIM (W/O HSP)	36099-0000-99-3	COM Express® Universal Passive Cooler low profile for Heatspreader Mounting (95x95x10 mm) 90° fin direction mounting option

Memory

PART NO.	MIN. SPEC.	SIZE	ECC	OP. TEMPERATURE
97020-0432-CEL6	DDR4-3200	4 GByte	No ECC	0 °C to +60 °C
97020-0832-CEL6	DDR4-3200	8 GByte	No ECC	0 °C to +60 °C
97020-1632-CEL6	DDR4-3200	16 GByte	No ECC	0 °C to +60 °C
97021-0432-CEL6	DDR4-3200	4 GByte	No ECC	-40 °C to +85 °C
97021-0832-CEL6	DDR4-3200	8 GByte	No ECC	-40 °C to +85 °C
97021-1632-CEL6	DDR4-3200	16 GByte	No ECC	-40 °C to +85 °C

Headquarters

congatec GmbH

Auwiesenstraße 5
94469 Deggendorf, Germany
Phone: +49 (991) 2700-0

info@congatec.com
www.congatec.com

Subsidiary

JUMPtEC GmbH

Brunnwiesenstraße 16
94469 Deggendorf, Germany
Phone: + 49 991 37024-0

info@jumptec.com

