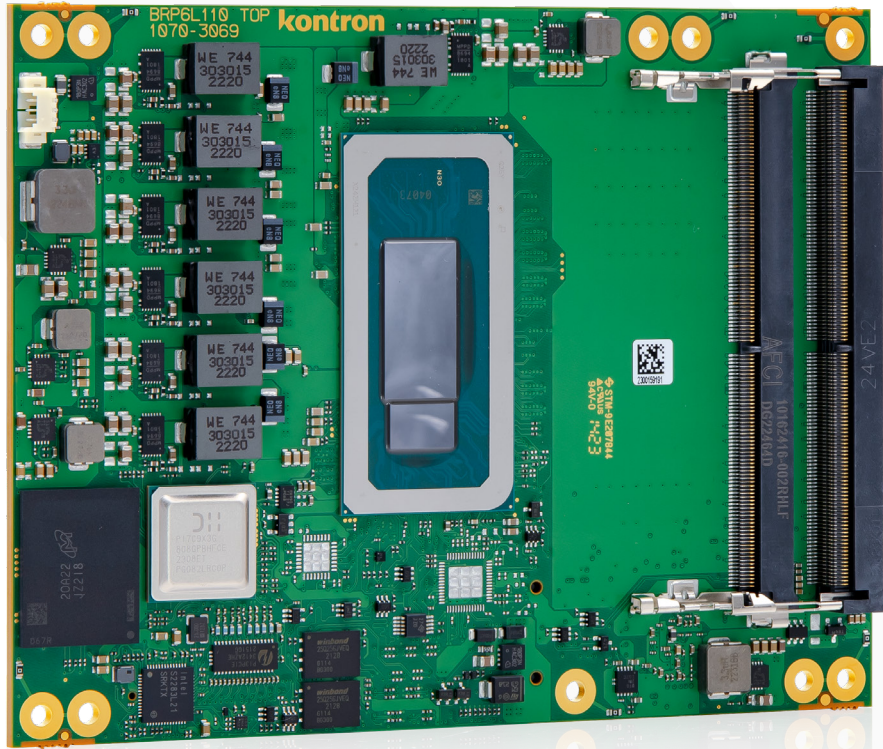


COMe-bRP6 (E2)



COM Express® Basic Type 6 with 13th Generation Intel® Core™ Processors

- › Up to 64 GByte DDR5 memory
- › Up to 2.5 Gb Ethernet with TSN support
- › Optional NVMe SSD onboard
- › Industrial grade versions

13TH GEN RAPTOR LAKE H-SERIES EMBEDDED (45 W)			
CPU	i7-13800HE	i5-13600HE	i3-13300HE
CORES	14	12	8
NUMBER OF P-CORES	6	4	4
FREQUENCY BASE /TURBO (P-CORES)	2.5/5.0 GHz	2.7/4.8 GHz	2.1/4.6 GHz
NUMBER OF E-CORES	8	8	4
FREQUENCY BASE /TURBO (E-CORES)	1.8/4.0 GHz	1.9/3.6 GHz	1.5/3.4 GHz
TDP	45/35 W	45/35 W	45/35 W
CACHE	24 MByte	18 Mbyte	12 Mbyte
IBECC	no	no	no
TCC/TSN	no	no	no

13TH GEN RAPTOR LAKE H-SERIES INDUSTRIAL (45 W)			
CPU	i7-13800HRE	i5-13600HRE	i3-13300HRE
CORES	14	12	8
NUMBER OF P-CORES	6	4	4
FREQUENCY BASE /TURBO (P-CORES)	2.5/5.0 GHz	2.7/4.8 GHz	2.1/4.6 GHz
NUMBER OF E-CORES	8	8	4
FREQUENCY BASE /TURBO (E-CORES)	1.8/4.0 GHz	1.9/3.6 GHz	1.5/3.4 GHz
TDP	45/35 W	45/35 W	45/35 W
CACHE	24 MByte	18 Mbyte	12 Mbyte
IBECC	yes	yes	yes
TCC/TSN	yes	yes	yes

13TH GEN RAPTOR LAKE P-SERIES EMBEDDED (28 W)			
CPU	i7-1370PE	i5-1350PE	i3-1320PE
CORES	14	12	8
NUMBER OF P-CORES	6	4	4
FREQUENCY BASE /TURBO (P-CORES)	1.9/4.8 GHz	1.8/4.6 GHz	1.7/4.5 GHz
NUMBER OF E-CORES	8	8	4
FREQUENCY BASE /TURBO (E-CORES)	1.2/3.7 GHz	1.3/3.4 GHz	1.2/3.3 GHz
TDP	28/20 W	28/20 W	28/20 W
CACHE	24 MByte	12 Mbyte	12 Mbyte
IBECC	no	no	no
TCC/TSN	no	no	no

13TH GEN RAPTOR LAKE P-SERIES INDUSTRIAL (28 W)			
CPU	i7-1370PRE	i5-1350PRE	i3-1320PRE
CORES	14	12	8
NUMBER OF P-CORES	6	4	4
FREQUENCY BASE /TURBO (P-CORES)	1.9/4.8 GHz	1.8/4.6 GHz	1.7/4.5 GHz
NUMBER OF E-CORES	8	8	4
FREQUENCY BASE /TURBO (E-CORES)	1.2/3.7 GHz	1.3/3.4 GHz	1.2/3.3 GHz
TDP	28/20 W	28/20 W	28/20 W
CACHE	24 MByte	12 Mbyte	12 Mbyte
IBECC	yes	yes	yes
TCC/TSN	yes	yes	yes

PART NO.	CPU	PCH	MEM. DOWN	SO-DIMM	FLASH	OP. TEMPERATURE
38040-0000-25-7	i7-13800HE	-	-	non-ECC	-	0 °C – 60 °C
38040-0000-27-5	i5-13600HE	-	-	non-ECC	-	0 °C – 60 °C
38040-0000-21-3	i3-13300HE	-	-	non-ECC	-	0 °C – 60 °C
38040-0000-19-7	i7-1370PE	-	-	non-ECC	-	0 °C – 60 °C
38040-0000-18-5	i5-1350PE	-	-	non-ECC	-	0 °C – 60 °C
38040-0000-17-3	i3-1320PE	-	-	non-ECC	-	0 °C – 60 °C
38041-0000-25-7	i7-13800HRE	-	-	non-ECC	-	-40 °C – 85 °C
38041-0000-27-5	i5-13600HRE	-	-	non-ECC	-	-40 °C – 85 °C
38041-0000-21-3	i3-13300HRE	-	-	non-ECC	-	-40 °C – 85 °C
38041-0000-19-7	i7-1370PRE	-	-	non-ECC	-	-40 °C – 85 °C
38041-0000-18-5	i5-1350PRE	-	-	non-ECC	-	-40 °C – 85 °C
38041-0000-17-3	i3-1320PRE	-	-	non-ECC	-	-40 °C – 85 °C

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-BRP6 CU-CORE THREADED	38040-0000-99-0	Heatspreader for COM-bRP6, Cu-core, threaded mounting holes
HSP COME-BRP6 CU-CORE THROUGH	38040-0000-99-1	Heatspreader for COM-bRP6, Cu-core, through mounting holes
HSK COME-BASIC ACTIVE (W/O HSP)	38025-0000-99-0C05	Active Cooler for COMe-bRP6/bxL6/bV26/bDV7/bID7 to be mounted on HSP
HSK COME-BASIC PASSIVE (W/O HSP)	38025-0000-99-0C06	Passive Cooler for COMe-bRP6/bxL6/bV26/bDV7/bID7 to be mounted on HSP

ARTICLE	MIN. SPEC.	SIZE	ECC	OP. TEMPERATURE
97040-3248-BRP6	DDR5-4800	32 GByte	no	0 °C – 60 °C
97040-1648-BRP6	DDR5-4800	16 GByte	no	0 °C – 60 °C
97040-0848-BRP6	DDR5-4800	8 GByte	no	0 °C – 60 °C
97041-3248-BRP6	DDR5-4800	32 GByte	no	-40 °C – 85 °C
97041-1648-BRP6	DDR5-4800	16 GByte	no	-40 °C – 85 °C
97041-0848-BRP6	DDR5-4800	8 GByte	no	-40 °C – 85 °C

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