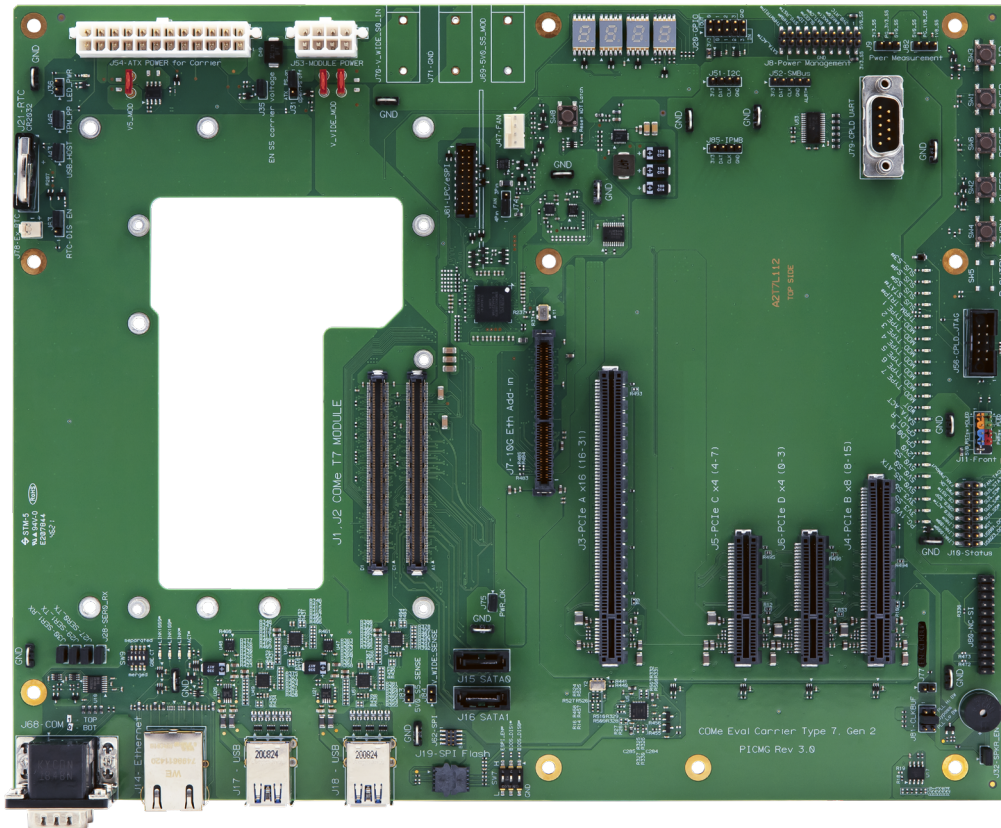


COMe Eval Carrier T7 Gen2



COM Express® Type7 Evaluation Carrier Gen2

- ▶ COM Express® Rev. 3.0 Pin-out Type 7
- ▶ 4x 10GbE: via adapter cards
- ▶ 32x PCIe lanes: 1x PCIe Gen4 x16, 1x PCIe Gen3 x8, 2x PCIe Gen3 x4
- ▶ 4x USB 3.0, 2x SATA, 2x RS232, GPIO



Technical Information

FEATURES	DESCRIPTION
COMPLIANCE	COM Express® Rev. 3.0 or 3.1 Pin-out Type 7
DIMENSIONS (H X W X D)	305 mm x 244 mm (ATX)
ETHERNET	1x RJ45 – max 10G-BASE-T (depending on module support) 4x 10GBASE-KR Via expansion cards support of different physical interfaces - 4x DAC: 10GBASE-KR signals directly routed from COMe connector to SFP+ cages - 2x SFP+: 10GBASE-KR-to-SFI via Inphi PHY CS4227 - 4x SFP+: 10GBASE-KR-to-SFI via Inphi PHY CS4223 - 4x SFP+: 10GBASE-KR-to-SFI via Intel PHY C827-IM1, CEI-Interface - 4x RJ45: 10GBASE-KR-to-10GBASE-T via Intel PHY X557
PCI EXPRESS®	1x PCIe Gen4 x16 1x PCIe Gen3 x8 2x PCIe Gen3 x4
USB	4x USB 3.1 Gen2
SERIAL	2x DSUB9 - COM ports (RX/TX)
ONBOARD HEADER	2x SATA 1x I2C 1x SMBus 1x GPIO 1x FAN 1x various: LEDs, Status signals
VISUAL CONTROL	BIOS POST-CODE: 4x 7 segment display Various LEDs
POWER SUPPLY	ATX power supply 24 + 8 pin

Ordering Information

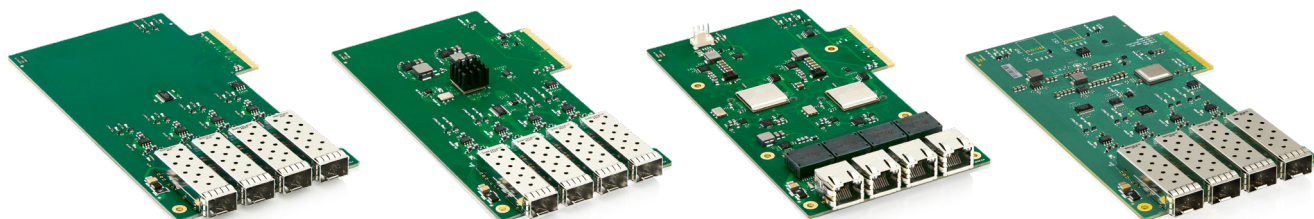
ARTICLE	PART NO.	DESCRIPTION
EVALUATION CARRIER	68301-0000-00-8	COMe Eval Carrier T7 G2-8 8mm stack height, COM.0 R3.0
EVALUATION CARRIER	68301-0001-00-8	COMe Eval Carrier T7 G2-8 8mm stack height, COM.0 R3.1
EXPANSION CARDS	68301-0000-01-4	ADA-COMe-T7-G2 4x 10G RJ45 - DEV-TOOL
EXPANSION CARDS	68301-0000-03-2	ADA-COMe-T7-G2 2x 10G SFP+ - DEV-TOOL
EXPANSION CARDS	68301-0000-03-4	ADA-COMe-T7-G2 4x 10G SFP+ - DEV-TOOL
EXPANSION CARDS	68301-0000-04-4	ADA-COMe-T7-G2 4X 10G DAC - DEV-TOOL
EXPANSION CARDS	68301-0000-05-4	ADA-COMe-T7-G2 4x 10G SFP+ - C827-IM1 – DEV-TOOL

Compatibility Matrix

EVAL CARRIER GEN2	DESCRIPTION	PHY	CONNECTIVITY	COM.0 REV	CAN BE USED BY
68301-0000-00-8	COMe Eval Carrier2 T7-G2 8mm stackup PCIe Gen3 only	n/a		3.0	all COMe Type 7 Modules
68301-0001-00-8	COMe Eval Carrier2 T7-G2 8mm stackup	n/a		3.1	COMe-bID7

ADAPTER CARDS	DESCRIPTION	PHY	CONNECTIVITY	COM.0 REV	CAN BE USED BY
68301-0000-04-4	ADA-COMe-T7-G2 4X 10G DAC - DEV-TOOL	no PHY	10GBASE-KR - DAC	n/a	COMe-bDV7, COMe-bID7, COMe-bEP7
68301-0000-01-4	ADA-COMe-T7-G2 4x 10G RJ45 - DEV-TOOL	2x Intel X557-AT2	10GBASE-T	3.0	COMe-bDV7, COMe-bBD7, COMe-bID7
68301-0000-03-2	ADA-COMe-T7-G2 2x 10G SFP+ - DEV-TOOL	1x Inphi CS4227	10G-SFI	3.0	COMe-bBD7, COMe-bEP7
68301-0000-03-4	ADA-COMe-T7-G2 4x 10G SFP+ - DEV-TOOL	1x Inphi CS4223	10G-SFI	3.0	COMe-bDV7
68301-0000-05-4	ADA-COMe-T7-G2 4x 10G SFP+ - C827-IM1 - DEV-TOOL	1x Intel C827-IM1	10G-SFI	3.1 - CEI	COMe-bID7

Adaptercards



► ADA-COMe-T7-G2
4x 10G DAC

► ADA-COMe-T7-G2
4x 10G SFP+

► ADA-COMe-T7-G2
4x 10G RJ45

► ADA-COMe-T7-G2
4x 10G
SFP+ - C827-IM1

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