AMD × TEWS TECHNOLOGIES

together we advance_

COTS Boards

PARTNER

TEWS TECHNOLOGIES

PARTNER TIER

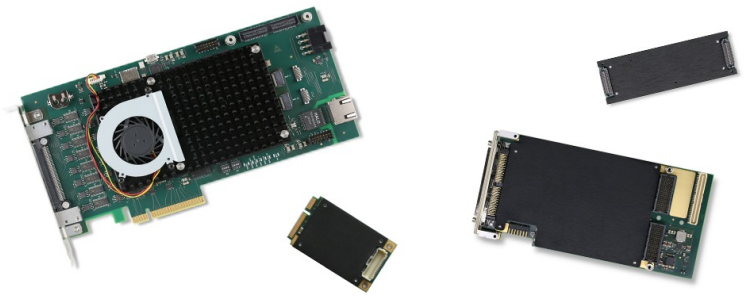
Premier

PRODUCT/SERVICES

- Boards & Kits
- Design Services

MARKETS SUPPORTED

- Aerospace and Defense
- Industrial
- Medical
- Transportation



Founded in 1973, TEWS Technologies is a trusted manufacturer of embedded computing solutions for aerospace, defense and industrial applications. TEWS Technologies offers a broad portfolio of COTS products across multiple form factors, complemented by modified COTS and fully custom solutions. Design and OEM services include in-house project management and life cycle management for hardware, firmware and software projects. All TEWS Technologies products are designed and manufactured, ensuring strict quality control, engineering excellence, and supply-chain transparency.

TEWS Technologies is a driving force behind the VITA 93 (QMC) standard, addressing the evolving requirements of next-generation aerospace and defense systems. QMC enables unprecedented modularity, flexibility, scalability, and rugged reliability, while maintaining compatibility with existing and future architectures. TEWS Technologies is the first recognized AMD partner for Aerospace and Defense platforms to establish a comprehensive AMD-based portfolio spanning I/O modules, high-performance FPGA solutions, and carrier cards, enabling optimized SWaP-constrained and mission-critical system designs.

Certified to ISO 9001 and AS9100, TEWS Technologies designs and manufactures products to the highest quality standards, supporting extended operating conditions and long-term availability. TEWS Technologies offers all products with a standard five-year warranty, ensuring reliability and lifecycle assurance for aerospace and defense programs.

Product Name	FPGA	Type of Board	Form Factor
TQMC600	AMD Artix™ 7 (XC7A50T)	Reconfigurable FPGA with Digital I/O	QMC™ VITA 93
TQMC700	AMD Artix™ 7 (XC7A50T)	Reconfigurable FPGA with AD/DA & Digital I/O	QMC™ VITA 93
TXMC637	AMD Artix™ 7 (XC7A200T)	Reconfigurable FPGA with 32x Analog Input 8x Analog Output and 32x Digital I/O	XMC™ VITA 42
TXMC638	AMD Kintex™ 7 (XC7K160T/XC7K325T/XC7K410T)	Reconfigurable FPGA with Analog Input	XMC™ VITA 42
TXMC639	AMD Kintex™ 7 (XC7K160T/XC7K325T)	Reconfigurable FPGA with 16x Analog Input 8x Analog Output and 32x Digital I/O	XMC™ VITA 42
TPCE636	AMD Kintex™ 7 (XC7K325T)	Reconfigurable FPGA with 16x Analog Input and 16x Analog Output, x4 Gen 2	PCI Express® PCI-SIG CEM Rev. 3.0
TPCE646	AMD Zynq™ UltraScale+™ (XCZU11EG)	Reconfigurable MPSoC with 32 x 16 bit Analog Output and 8 x 16 bit differential Analog Input, x8 Gen 3	PCI Express® PCI-SIG CEM Rev. 3.0
TPMC642	AMD Spartan™ 7 (XC7S100)	Reconfigurable FPGA with 64 TTL I/O / 32 Diff. I/O	PMC™ IEEE P1386/P1386.1
TPMC644	AMD Spartan™ 7 (XC7S50)	Reconfigurable FPGA with 64 TTL I/O / 32 Diff. I/O	PMC™ IEEE P1386/P1386.1
TMPE623	AMD Artix™ 7 (XC7A50T)	Reconfigurable FPGA with Digital I/O	PCI Express® Mini Card PCI-SIG CEM Rev. 2.0
TMPE627	AMD Artix™ 7 (XC7A50T)	Reconfigurable FPGA with AD/DA & Digital I/O	PCI Express® Mini Card PCI-SIG CEM Rev. 2.0
TCPS631	AMD Artix™ 7 (XC7A35T/XC7A75T)	Reconfigurable FPGA with direct Connect to PIM Module Slot	CompactPCI® Serial PICMG® CPCI-S.0 R3.0

All performance claims are provided by TEWS Technologies and have not been independently verified by AMD. Performance benefits can be impacted by a variety of variables. Results herein are specific to TEWS Technologies and may not be typical. GD-181.