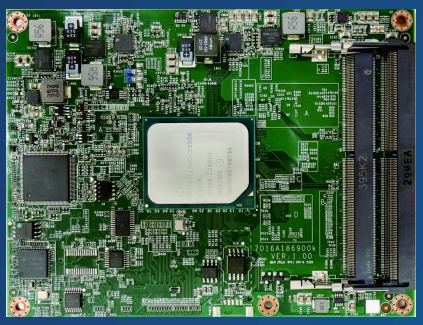
Compact Network & Edge Computing, Built to Adapt

CME3000

The CME3000 is a COM Express Type 7 computing module based on Intel® Atom® C3000 processors. It combines compact mechanical dimensions with high-speed networking, PCIe expansion, storage and management interfaces, making it suitable for network appliances, edge computing and embedded infrastructure where space, connectivity and power efficiency matter.



CPU
Intel® Atom® C3000 processor family provides a compact, power-efficient computing platform for embedded and edge applications

Expansion
PCIe Gen3 expansion provides flexibility for storage, network adapters, accelerators and application-specific devices

Form Factor
COM Express Type 7 architecture enables modular integration into network appliances and purpose-built systems

Storage
eMMC and SPI Flash provide local storage options for operating systems, applications and firmware

Cores
Supports up to 16 processor cores for scalable compute capability across networking and edge workloads

I/O
USB, UART, LPC, SPI and SMBus interfaces simplify system and peripheral integration

Memory
Dual SO-DIMM architecture supports up to 32 GB DDR4 memory for application processing and data-intensive workloads

Security
TPM 2.0 support provides a hardware-based foundation for platform security

Network
Up to four 10G BASE-KR interfaces enable high-bandwidth network connectivity

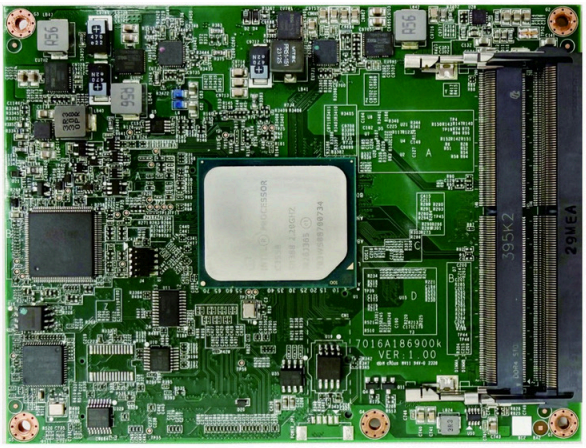
Applications
Ideal for network appliances, edge computing and embedded infrastructure where compact size and connectivity are critical

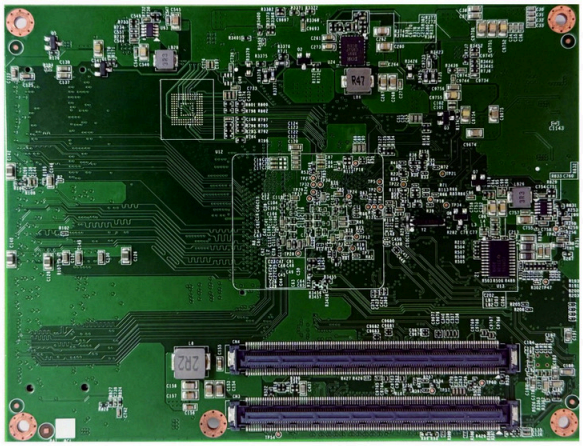
Technical Specifications

COM Express Module	
Model Name	COM Express Type 7 Module
Model Number	CME3000
Processor	Intel® Atom® Processor C3000 SoC (up to 16 cores)
Memory	2 x SO-DIMM; up to 32 GB DDR4
Storage	eMMC 5.0 up to 128 GB + SPI Flash
Network Interfaces	Up to 4 x 10GbE KR 1 x GbE Intel® I210 / NCSI
I/O / Management	2 x USB 3.0; 4 x USB 2.0; 2 x UART; LPC / SPI / SMBus
Expansion / Architecture	COM Express Type 7; up to 16 PCIe Gen3 lanes
Management / Software	Embedded platform management
Security	TPM 2.0
Power	Module dependent
Cooling	Module / heatsink dependent
Environmental	0–60°C; -40–85°C storage; 5–95% RH, non-condensing
Mechanical (W x D x H)	125 x 95 mm (COM Express Type 7 Basic Size)
Compliance	Platform dependent
Primary Applications	Network appliances; edge computing; embedded infrastructure

Hardware Overview

CME3000 (COM Express Type 7 Module)





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Product specifications, configurations, certifications, and availability are subject to change without notice and may vary by region and customer program. Final commitments are governed by the applicable quotation, statement of work, or executed agreement.