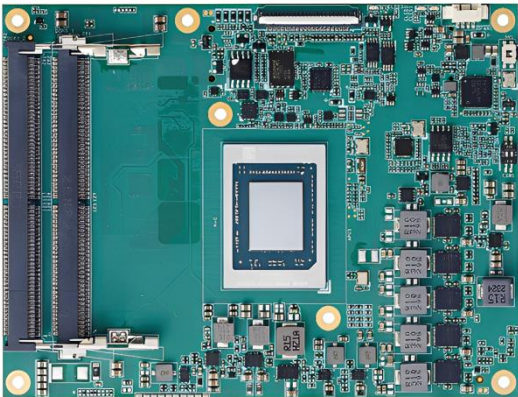


ACOM-12002

AMD Embedded Ryzen V3000
Type 7 Module COM Express



FEATURES

- 8 Cores at 15W, 45W — Best Performance per Watt in its class.
- Up to 64GB DDR5 SO-DIMM, 4800 MT/s ECC.
- 2x 10G Ethernet and 1x 2.5G Ethernet.
- 14x PCIe Gen4 lanes.
- Extreme Rugged operating temperature is -40°C to 85°C.

ACOM-12002	
CPU	AMD Embedded Ryzen V3000 Processor
DIMENSION	125 mm x 95 mm
MEMORY	DDR5 memory up to 64GB (2x 32GB) in two SODIMM sockets
BIOS	AMI UEFI with CMOS
ETHERNET	Intel® MAC/Controller, AMD 10G Ethernet controller integrated in CPU, 2x 10GBASE-KR and its sideband signals
PCIe	8 PCI Express Gen4, 4 PCI Express Gen4, 2 PCI Express Gen4
SATA	2x SATA 6Gb/s (SATA 0,1)
USB	4x USB 3.x/2.0/1.1 (USB 0,1,2,3)
Serial	2x UART ports with console redirection
GPIO	4x GPO and 4x GPI (GPI with interrupt TBC)
LPC bus	1 (through an ESPI to LPC bridge IC)
POWER INPUT	ATX: 12V±5% / 5Vsb ±5%; or AT: 12V±5%
RELATIVE HUMIDITY	5-90% RH operating, non-condensing 5-95% RH storage (and operating with conformal coating)
STORAGE TEMPERATURE	-20°C to 80°C
OPERATING TEMPERATURE	-40°C to 85°C
OS SUPPORT	Yocto Linux, Ubuntu 20.04.3 LTS (TBC)
CERTIFICATIONS	CE, FCC
WARRANTY	2 Years