



SOM-COMe-CT6-V1000

COM Express® Rel. 3.0 Compact Type 6 module with AMD Ryzen™ Embedded V1000 Processors

Next Generation x86 "Zen" Core and elite GPU performance



HIGHLIGHTS



CPU
AMD Ryzen™ Embedded V1000 processors



CONNECTIVITY
4x USB 3.0; 8x USB 2.0; 4x PCI-e x1 Gen 3, PEG x8 Gen3



GRAPHICS
AMD Radeon™ Vega GPU with up to 11 Compute Units
DirectX® 12 supported



MEMORY
Up to two DDR4 SO-DIMM Slots supporting DDR4-3200 ECC Memory

Available in Industrial Temperature Range



MAIN FIELDS OF APPLICATION



Coffee &
Vending



Medical



Digital Signage

FEATURES

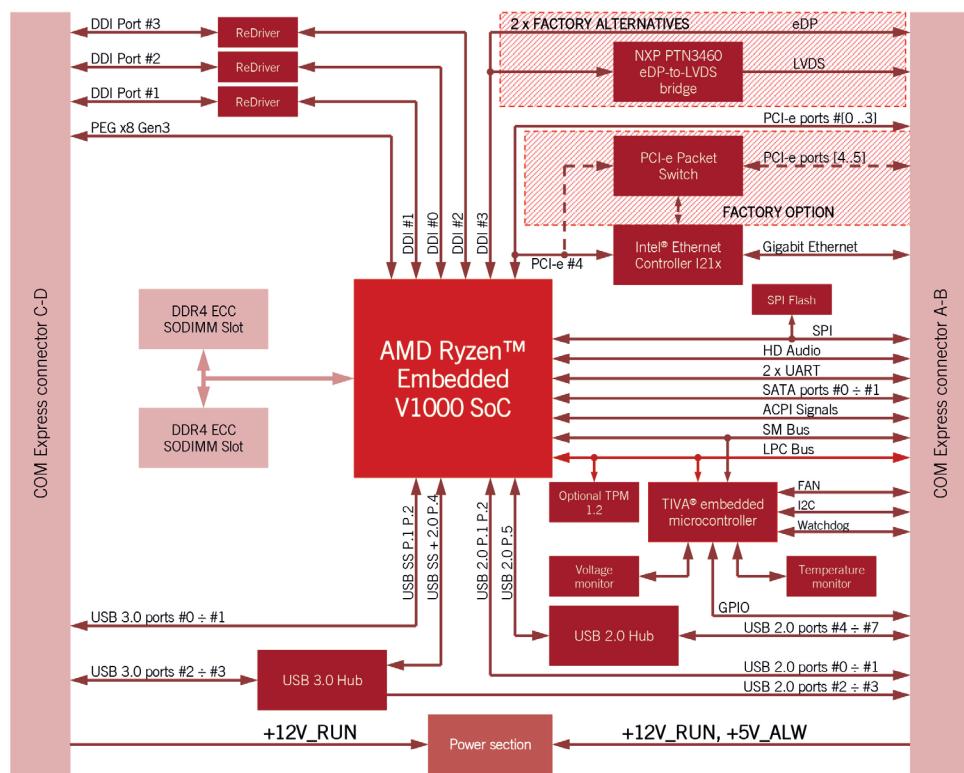
	AMD Ryzen™ Embedded V1807B with AMD Radeon™ Vega 11 Graphics, Quad Core Dual Thread @ 3.35GHz (3.8 Boost), TDP 35-54W		2 x S-ATA Gen3 Channels
	AMD Ryzen™ Embedded V1756B with AMD Radeon™ Vega 8 Graphics, Quad Core Dual Thread @ 3.25GHz (3.6 Boost), TDP 35-54W		Gigabit Ethernet interface Intel® I21x family GbE Controller
	AMD Ryzen™ Embedded V1605B with AMD Radeon™ Vega 8 Graphics, Quad Core Dual Thread @ 2.0GHz (3.6 Boost), TDP 12-25W		4 x USB 3.0 Host ports 8 x USB 2.0 Host ports
	AMD Ryzen™ Embedded V1202B with AMD Radeon™ Vega 3 Graphics, Dual Core Dual Thread @ 2.3 GHz (3.2 Boost), TDP 12-25W		Up to 4x PCI-e x1 Gen3 lanes + 2 x PCI-e x1 Gen2 ports PCI-express Graphics (PEG) x 8 Gen3
	AMD Ryzen™ Embedded V1404I with AMD Radeon™ Vega 8 Graphics, Quad Core / Single Thread, TDP 15W, Industrial Temperature range		HD Audio interface
	4		2 x UARTs
	Up to two DDR4 SO-DIMM Slots supporting DDR4-3200 ECC and non- ECC Memory modules (DDR4-2400 with V1605B, V1202B and V1404I) Up to 16GB @ 3200Mhz, up to 32GB @ 2400MHz supported		SPI, I2C bus, SM Bus, LPC bus, FAN management LID#/SLEEP#/PWRBTN#, Watchdog 4x GPIO, 4 x GPO Optional TPM 1.2 module on-board
	AMD Radeon™ Vega GPU with up to 11 Compute Units DirectX® 12 supported H.265 (10-bit) decode and 8-bit video encode VP9 decode 4 independent displays supported		+12V _{DC} ± 10% and + 5V _{SB} (optional)
	3 x Digital Display Interfaces (DDIs), supporting DP 1.3, DVI and HDMI® 1.4/2.0 eDP or Single/Dual-Channel 18-/24- bit LVDS interface		Microsoft® Windows 10 Linux
	DDIs, eDP up to 4K LVDS up to 1920 x 1200		0°C ÷ +60°C (Commercial version) -40°C ÷ +85°C (Industrial version)
			95 x 95 mm (Com Express® Compact Form factor, Type 6 pinout)

*Measured at any point of SECO standard heatspreader for this product, during any and all times (including start-up). Actual temperature will widely depend on application, enclosure and/or environment. Upon customer to consider application-specific cooling solutions for the final system to keep the heatspreader temperature in the range indicated.

SOM-COMe-CT6-V1000

COM Express® Rel. 3.0 Compact Type 6 module with AMD Ryzen™ Embedded V1000 Processors

BLOCK DIAGRAM



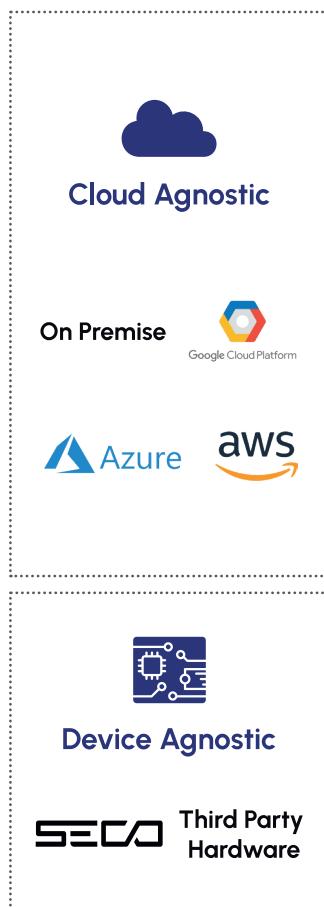
Streamline and expedite your edge computing implementations

EDGEHOG OS

A flexible operating system that adapts to your needs, thanks to the customization tool and Docker support. Reliability and security are built-in through a dual-partition system and native integration with Exein's robust AI-based protection.

DATA ORCHESTRATION

Integrate third-party services, simplify data flows and analysis, and enhance business efficiency by enabling easy and fast utilization of AI.



DEVICE MANAGER

Update, configure, and manage remote devices. Optimize time and costs to maximize operational efficiency and security without the need for costly field interventions.

PORTAL

Analyze data from remote devices, customize the user experience with applications tailored to user needs, and manage user rights, company access, and tenant privileges.

SERVICES

Custom Apps



Device Manager

»Edgehog

Data Orchestration

»Astarte

Portal

EDGEHOG OS

Containers

SDK



Double Partition

Device Manager Agent

Incremental Updates

Immutable OS

Scan to know more about our solution

EDGEHOG OS



CLEA DOCS

