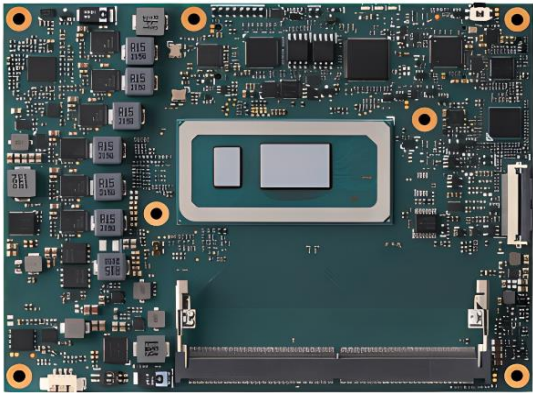




FEATURES

- Performance hybrid architecture (P-core, E-core).
- Up to 14 cores, 20 threads at 15W/28W/45W TDP.
- Up to 96GB DDR5 SO-DIMM at max. 5200MHz, IB ECC (selected SKUs).
- 4 displays via DDI/LVDS (opt. eDP, VGA) and USB4/Thunderbolt 4 (TBC).
- 1 PCIe x8 Gen4, 2 PCIe x4 Gen4, 2.5GbE (selected SKUs).
- Extreme Rugged operating temperature (selected SKUs).

ACOM-12001	
CPU	Intel® Core™ 13th Gen Raptor Lake-P mobile processors
DIMENSION	125 mm x 95 mm
BIOS	AMI UEFI with CMOS backup in 32 SPI BIOS
RAM	2 * DDR5 Up to 96GB SO-DIMM memory max. 5200MHz
ETHERNET	Intel® Ethernet Connection I226 series 2.5GbE and 1000/100/10 Mbit/s
GRAPHICS	Intel® Iris Xe or UHD Graphics Core Architecture, max. 96EUs
PCIe	8 PCIe x1 Gen3, 4 PCIe x1 Gen3, 4 PCIe x1 Gen3, 2 * PCIe x4 Gen4,
VGA	1*VGA Supported by build option via DP-to-VGA IC (in place of DDI 3), max. resolution 1920x1200@60Hz
DP	1* DP 1.4a
SATA	2x SATA 6Gb/s
USB	2x USB4.0, 4x USB 3.2, 4x USB 2.0
LVDS	Single/dual channel 18/24-bit LVDS from eDP-to-LVDS IC, max. resolution 1920x1200@60Hz in dual mode
eDP	Build option in place of LVDS, 4 lanes, eDP 1.4b
Serial	2x UART ports with console redirection
AUDIO	On carrier Express-BASE6 R3.1 (ALC888 standard support)
GPIO	8x GPIO
TPM	Infineon TPM 2.0 (SPI based)
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	Windows 10 IoT Enterprise LTSC, Windows 11 IoT Enterprise LTSC, Ubuntu 64 bit, Yocto project-based Linux 64-bit (TBC), VxWorks (TBC)
CERTIFICATIONS	CE, FCC
WARRANTY	2 Years