

Military Grade Rugged PC

Model: SD-RPJXV-CV3

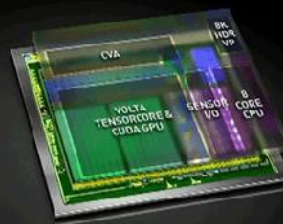
INTRODUCING XAVIER AI SUPERCOMPUTER SOC

7 Billion Transistors 16nm FF
8 Core Custom ARMv8 CPU
512 Core Volta GPU
New Computer Vision Accelerator
Dual 8K HDR Video Processors
Designed for ASIL C Functional Safety



XAVIER WORLD'S FIRST AUTONOMOUS MACHINE PROCESSOR

Supercomputing Performance
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30 TOPS of CV, Deep Learning, and Parallel Computing

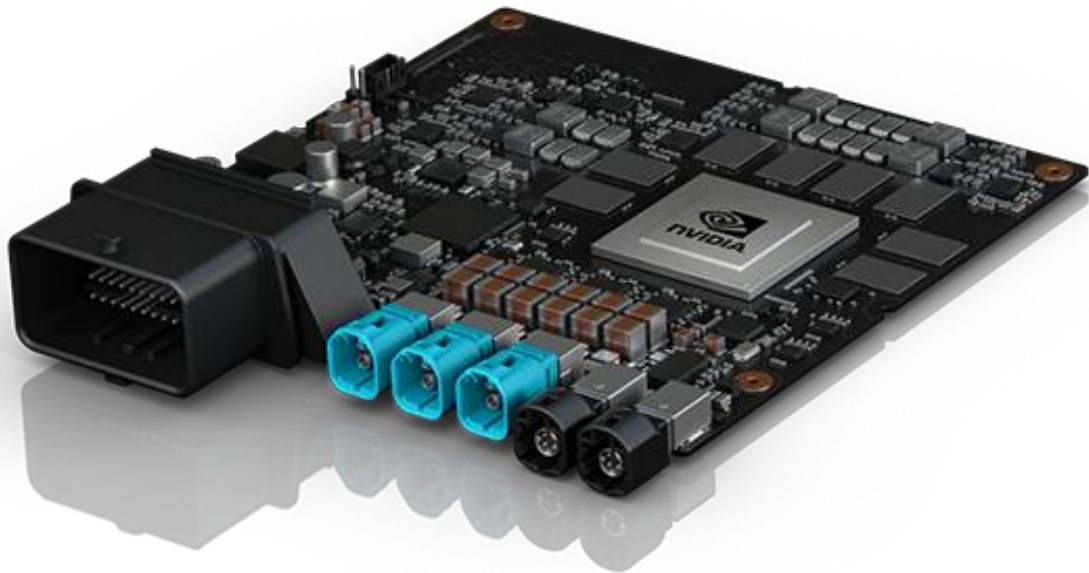


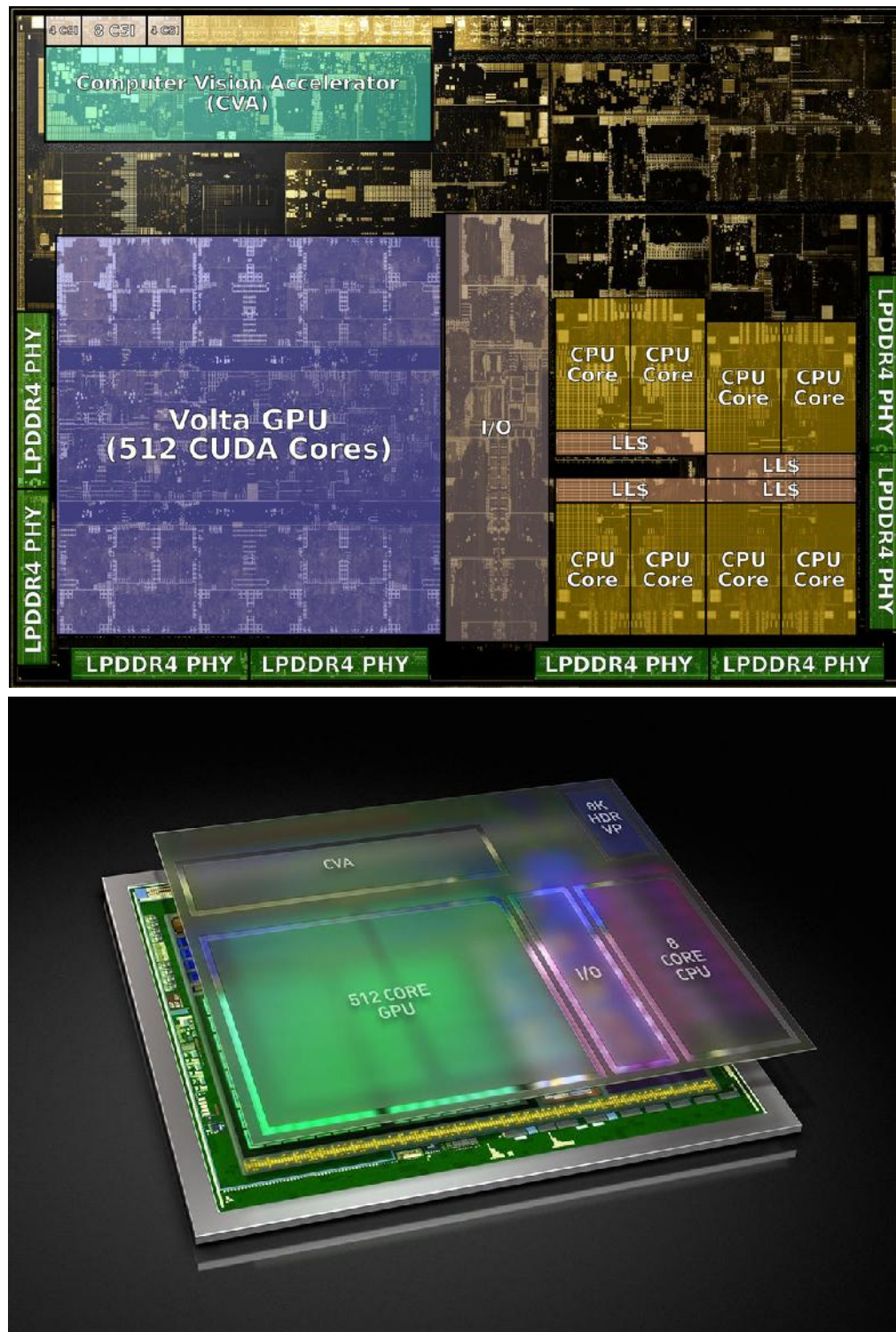
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The SD-RPJXV-CV3 rugged PC is ideal solution for wide range applications in Military, Navy, Maritime Communications, Robotics, Heavy Industrial, Transportation, Mining and Energy industries. Powered by Nvidia Jetson Xavier board.

**NVIDIA Jetson Xavier is the latest addition to the Jetson platform
It's an AI computer for autonomous machines, delivering the performance of a GPU workstation in an embedded module under 30W.**





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Specifications:

- CPU/RAM 8-core ARM v8.2 64-bit CPU, 8MB L2 + 4MB L3
- GPU 512-core Volta GPU with Tensor Cores
- USB 1x USB 2.0, up to 3x USB 3.0 Ports
- Network 2x 1GbE ports (Optional extra 2x 10GbE ports)
- Storage 32GB eMMC 5.1, Up to 1TB SSD option
- Display 1x HDMI
- Camera Optional 4x4 Lane GMSL inputs
- * Option 2x cameras over USB3.0 or HDMI
- UART 2x at 3.3V
- CAN bus 2x CAN bus ports
- GPIOs GPIO
- Expansion 3G/4G ,WiFi ,BT or GPS Optional
- Power Input +9V to 36V DC

Environmental

- Operating Temperature: -30 deg. C to 70 deg. C
- Storage Temperature: -40 deg. C to 80 deg. C
- Operating Humidity: 5% to 95% (Non Condensing)
- IP67 Water dust proof, anti-corrosion housing
- Shock&Vibration MIL-STD-810G compliant
- EMI/EMC MIL-STD-461G compliant

Mechanical

