

COBALT™ S1901

Rugged Conduction Cooled High Performance CPU/GPU Platform for Next Generation Technology Insertion

CHALLENGE

- ▶ Rapid response to next generation technology insertion requiring rugged high performance computing and connectivity
- ▶ Fully qualified to MIL-STD-810G, -704F/-1275E, and -461E for airborne application with no fan assist
- ▶ Application ready, fully validated BSP for ease of software integration and fast time-to-deployment

SOLUTION

- ▶ COBALT™ S1901 integrates Intel® Xeon® technology coupled with an NVIDIA T1000 GPU for ease of porting next generation AI software algorithms onto a fully qualified rugged platform without any performance compromise at temperature or harsh environment conditions
- ▶ Provides common connectivity ports such as 10GbE, 2.5GbE and 1GbE, USB3.0, CANBus, Discretes, and Serial I/O for interfacing to a wide range of external sensor payloads and data buses within the aircraft or vehicle

BENEFITS

- ▶ Meets the DoD initiative for Modular Open Systems Approach (MOSA) and provides unique configuration capabilities for different mission profiles and future upgrade capabilities based on industry standard modules and hardware devices
- ▶ Readily available & cost effective - standard configurations allow a short delivery cycle due to utilizing common hardware and reduces the overall cost of the platform without compromise to the performance capabilities
- ▶ High reliability – the platform is built upon Kontron's years of experience in ruggedizing COM Express® modules and hardware devices in harsh environments

▶ Learn more:
COBALT™ S1901

