

A COTS High Performance VPX Computer

Over view: 10 Intel cores, 40GB DDR3, 1.2 TeraFlops arithmetic performance, 1TB data storage in a 12.5 lb ½ ATR conduction cooled with air assist.

Architecture: 5 slot full mesh Open VPX (switchless)

Inter-slot communications: 2x Fat pipe at 2000MBytes/sec

Enclosure: Elma p/n ATRATS06IVNFHTNC4

Height 10.62", Length 12.62", Width 4.88"

-40 to 85C Operating temperature

SBC: Extreme Engineering model XPedite7470, Intel i7 (Sandy Bridge) dual-core at 2.1GHz with TurboBoost to 3GHz, 8GB DDR3 with ECC, 1 XMC site, 5 each

GPGPU: Tech Source Condor 3000 with AMD E6760 GPU. 480 processors at 600MHz with 576GFlop performance, 2 each

Storage: Extreme Engineering XPort6103 512GB XMC, 2 each

Power Supply: Extreme Engineering XPm2020 300 Watts, MIL-461E, Vita62 compliant, 2 each

Total dissipation: Less than 400Watts

Development Unit: Air-cooled Lab version

Notes: Customized Front I/O and silk-screening, color optional

Delivery: 14 weeks ARO



Altis Technology

SIZE A	CAGE CODE	DWG NO.	REV
SCALE			SHEET