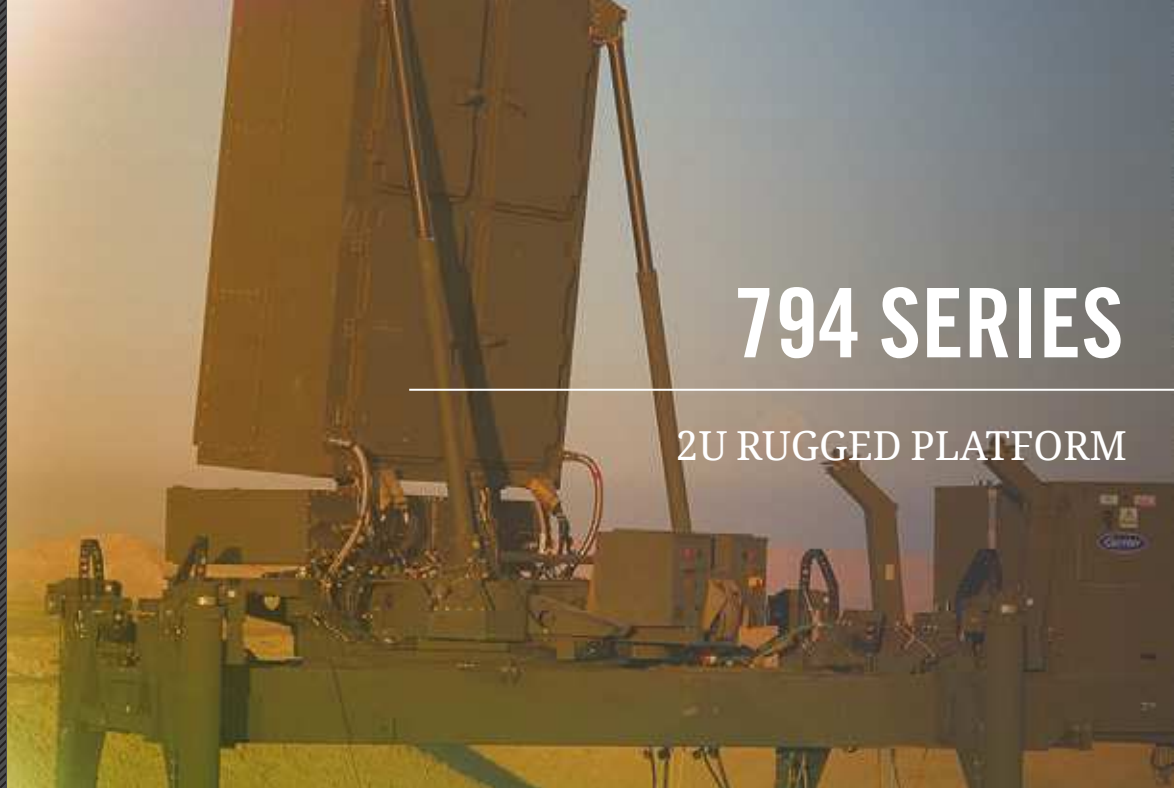


## FEATURES AND BENEFITS

- 3.5" (2U) H x 19" W x 20" D rackmountable
- Lockable EMI tight cover
- Dual redundant hot swap 500 Watt power supply
- Designed to meet MIL-STD-901D, MIL-STD-810E, and others
- Intel SE7501WV2ATA -Dual 2.8 GHz Xeon Processor
- Support for up to 12 GB of registered ECC DDR200/266 SDRAM with six DIMM sockets
- Two integrated Intel™ PRO/1000 MT Server Network Connections
- Integrated ATI\* Rage\* XL video controller with 8 MB of video memory
- Advanced Intel Server Management software and hardware

# 794 SERIES

## 2U RUGGED PLATFORM



The 794 Series Rugged Platform from Atrenne provides fault-tolerant features in a 2U package for military and industrial computing applications.

Constructed of pre-plated steel (Galvaneel), the 794 Series Rugged Platform measures 2U H x 19"W x 20"D. This rackmountable platform consists of a shock- and vibration-

isolated sub-chassis to meet RTCA/DO-160D, MIL-STD-901D, and MIL-STD-167 requirements, and is fully shielded to meet the requirements of MIL-STD-461E. The 794 Series Rugged Platform utilizes an electronics heater control system which heats the chassis to a safe operating temperature even in environments as low as -40 degrees C, while cooling in warmer environments via dual 44 CFM 12VDC fans that pressurize from front to rear.

The 794 Series Rugged Platform includes custom I/O rear panels, a front circuit breaker, an AC indicator, a time meter, a power supply fuse, and a 350-watt power supply. With mounting capabilities for up to a 10-slot PCI/ISA backplane, the 794 Series Rugged Platform provides the ability to mount an industry-standard HDD, floppy drive, and CD-ROM accessible through a hinged front panel.

The 794 Series Rugged Platform's processing power comes from an Intel® processor-based SE7501WV2ATA ATX motherboard running Linux® kernel 2.4.7 or later. Fully featured with a dual 2.8 GHz Xeon® Processor, the Intel motherboard provides video and Ethernet connection.

Designed to meet the needs of embedded and applied computing OEMs and system integrators, the 794 Series Rugged Platform is ideally suited for worldwide datacom/telecom, CTI, industrial automation, military/aerospace, and medical market applications.



# 794 SERIES

## 2U RUGGED PLATFORM

### DESIGN SPECIFICATIONS:

#### Dimensions

- 3.5" High (2U) x 19" Wide x 20" Deep

#### Weight

- 5 lbs approximately

#### Construction/Finish

- Preplated Steel (Galvaneel)
- Black medium texture finish

#### Power Supply

Dual redundant 500 watt  
Input characteristics:

- Voltage: 105 ~ 264 vac full range
- Frequency : 47 ~ 63 hz
- Input current: 8.0 / 4.0 a for 115 / 230 vac
- Inrush current: 60a / 80a max. for 115 / 230 vac per power module

#### Output Characteristics

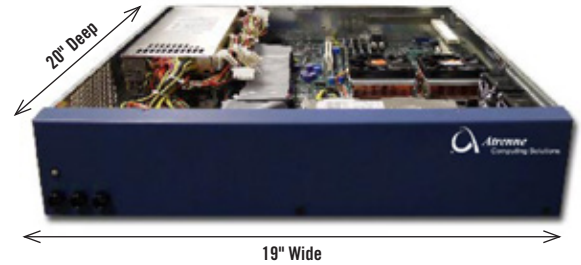
Output current regulation output  
min.[a] max.[a] peak(a) load line

- 5v 2.0 30 ± 5% ± 1% 50mv
- 12v 2 32 ± 5% ± 1% 120mv
- -5v 0.05 0.7 +5/-10% ± 1% 120mv
- -12v 0.05 0.7 +5/-10% ± 1% 120mv
- 3.3v 1.0 24 ± 5% ± 1% 50mv
- +5vsb 0.1 2.0 + 6/-5% ± 1% 50mv

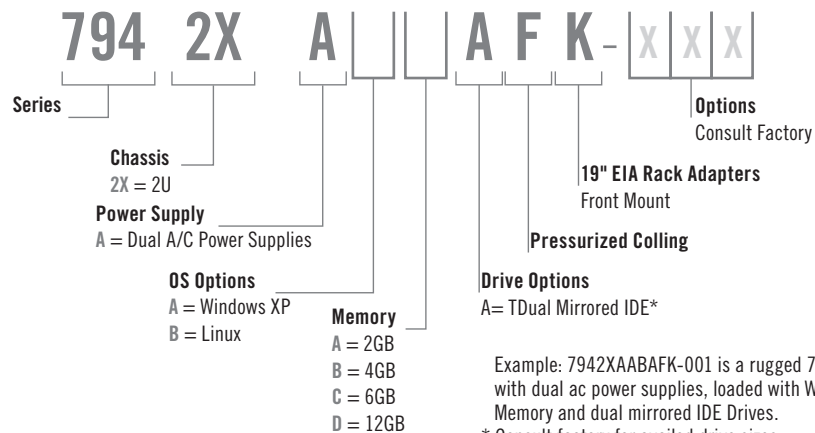
#### Motherboard

ESE7501WV2ATA

- Two Intel™ Xeon™ 2.8 GHz processors
- Cache, Hyper-Threading Technology
- Support for up to 12 GB of registered ECC DDR200/266 SDRAM with six DIMM sockets
- Dual (two-way) interleaved memory
- Triple-peer PCI/PCI-X buses
- Two integrated Intel™ PRO/1000 MT Server Network Connections (Intel™ 82546EB controller)
- Dual-channel ATA/100 RAID
- Integrated ATI™ Rage™ XL video controller with 8 MB of video memory
- Advanced Intel™ Server Management software and hardware, including serial data/console redirection over LAN, integrated remote management, event alerting, and proactive fault management



### PART NUMBERING / ORDERING INFORMATION:



Example: 7942XAABAFK-001 is a rugged 794 Series 2U rackmount enclosure with dual ac power supplies, loaded with Windows XP with 4GB of DDR Memory and dual mirrored IDE Drives.  
\* Consult factory for availed drive sizes.