

XTS-400 Trusted Computer System

As a trusted computer system, BAE Systems's XTS-400 is ideal for hosting trusted guard and server applications. With high-power Pentium® or Xeon® server hardware, the XTS-400 design is based on its predecessor, the XTS-300, the only general-purpose computer system in the world rated at the B3 level by the National Security Agency. This design implements an NSA evaluated mandatory integrity policy that can provide files, data and applications unparalleled protection from unauthorized tampering by malicious users or rogue software.

The XTS-400 is currently under Common Criteria evaluation at the EAL-5 level. It is one of the few systems that protects your data and enterprise processing environment from the information security risks.

Trusted Applications With High Assurance

The Linux like programmatic interfaces of the XTS-400's STOP operating system enable developers to port or develop applications easily on the system. These applications are able to reside, for the most part, outside the system's TOE-making them easier to accredit while deriving a high degree of security and integrity from the underlying mandatory protection mechanisms in the TOE.

Several trusted applications available for the XTS-300 and XTS-400 have been accredited and are operational; more are in accreditation. These include trusted guard applications that allow you to have strict control over the automated sharing of information among differently-classified networks.

Life-Cycle Engineering Expertise

BAE Systems developed the XTS-400 to meet the multilevel secure trusted system needs of government and commercial organizations. The system is used by our developers as the trusted host for numerous trusted guard and trusted server applications. We offer two comprehensive 5-day XTS-400 training courses: one on the operation, administration and maintenance of the system; and the other on programming trusted applications to run on the XTS-400.

Robust Operating System

The XTS-400's STOP™ operating system incorporates a high-assurance Target of Evaluation (TOE) that enforces the system's security and integrity policies.

The multilevel secure TOE ensures that information, processes and devices stored and running on the system at different sensitivity levels cannot intermingle in violation of the system's mandatory security policy.

The operating system also includes:

- X-Windows graphical user interface
- LINUX programmatic interfaces to applications
- TCP/IP networking over 10BaseT and 100BaseT Ethernet
- Support for the Department of Defense's FORTEZZA™ card

HARDWARE DETAILS

XTS-400 Model 2800

CPU type	XEON 2800 MHz or greater
Max number of CPUs	1 initially, designed for 2
Memory	2Gbytes physical (768MB in initial release), 4GB per process virtual
SCSI	
Hard disk transfer speed	High speed SCSI-160 160 MB/sec
Hard disk rotation speed	15,000 RPM
Hard disk size	18.2GB standard; upgradeable to 36.4GB
Video	SVGA video up to 1600 * 1200
Networking	Dual-mode 10BaseT/100BaseT Ethernet network
File system	Fast File System
Tape drive	12/24GB DDS-3
Case configurations	Standard tower, 5U rack-mount
Other Peripherals	<ul style="list-style-type: none">– Standard monitor is 17": SVGA flat screen up to 1600 * 1200– 1U flip up flat panel monitor/keyboard/touchpad optional for rack-mounts. Up to 1024 * 768– CD-ROMS– PCMCIA PC-Card readers supporting FORTEZZA® encryption devices– floppy drive– network interface controllers– parallel printers– keyboard– mouse or touchpad– serial terminals– UPS including automatic system shutdown software

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