Advanced Service Edge 3300 Product Brief

Wire-Speed Data Compression & Encryption

Packet Loss Recovery & Error Protection

Native Ethernet and Fibre Channel Support with Integrated Distance Extension

Jumbo Frame Dynamic Packet Re-Sizing

Flexible Wide Area Interfaces

Enhanced SLA Reporting & Powerful Management

Time of Day Bandwidth Profiles

ASE3300 Service Delivery Platform

AFORE's ASE3300 is the first networking solution targeting long distance wide area virtualization extension. The ASE3300 enables both enterprises and enterprises and cloud computing service providers to establish extended virtual data centers, creating new levels of availability and paving the way for advanced hosting and managed service offerings.

ASE3300 is a purpose built platform possessing performance characteristics of ultra low latency and negligible jitter required for long distance extension of virtualized storage and computing over IP/MPLS and Ethernet wide area networks. Supporting high availability and advanced performance and SLA monitoring capabilities, ASE3300 allows enterprises and cloud computing service providers to establish extended virtual data centers and create new levels of service availability.

ASE3300 Key Features

VirtualFIBER & VirtualWIRE

ASE3300's VirtualFIBER & VirtualWIRE technology provides lossless, secure, and transparent wide area capabilities over IP/MPLS and Ethernet wide area networks.

EtherPACK - High Speed Data Compression

ASE3300 offers dedicated hardware compression engines for Virtual Wire, with extremely low latency, lossless, high performance gigabit rate compression for Ethernet, Fiber Channel over Ethernet, and native Fiber Channel protocols. EtherPACK is application and protocol agnostic.

CryptoWIRE – AES-256 Encryption

Optional AES-256 bit gigabit rate encryption per Virtual Wire is provided by the ASE3300. The encryption process is protocol independent; Layer 2 based, and provides highly deterministic performance with low latency.

EtherCORRECT - Packet Loss Recovery & Error Correction

ASE3300 provides the unique ability to detect packets that have been lost or re-ordered in the wide area network and recover any lost data. Supporting bit and packet level error correction, ASE3300 creates lossless Virtual Fiber extensions while improving application performance over wide area networks.

SAN-XTEND - Storage Extension and Disaster Recovery

Native support for Fiber Channel with full rate distance extension supporting thousands of Kms/miles, with localized and wide area advanced flow control domains. SAN-XTEND is compatible with leading third-party storage vendors.

JumboSLICE – Dynamic Packet Re-sizing

ASE3300 can fragment and re-assemble client-side frames of up to 9600, resizing them to smaller standard byte transmission units for wide area transport. Frames are re-assembled at the far end, ensuring the process is transparent to the customer

For more information visit AFORE on the Web at http://www.aforesolutions.com/ASE/

Advanced Service Edge 3300
Product Brief

Physical Specifications

Chassis
Total power consumption:
30 W
Weight: 10 kg/22 lbs
Width: 17.5 in./444.5 mm
Height: 2.0 RU/3.5
in./88.9 mm
Depth: 19 in. / 482.6 mm

Network Side Interfaces
2 WAN ports provide the physical interface for transport across the WAN

- 2X Ethernet RJ-45: 10/100/1000Base-T and GigE
- 2X 1000Base- ZX SFP: 1550 nm GigE (1.25 Gbps)
- 2X ITU CWDM 1.25 Gbps SFP (1.0625 Gbps to 1.25 Gbps): Supports 8 CWDM wavelengths variants with GE SFP WAN interfaces (from 1471 nm to 1611 nm on ITU grid)

Client Side Interfaces
Supports up to 4 hot-swappable SFP transceiver modules

- Protocol support: Software provisionable FC, FICON, GigE and 1000 BT
- Multiplexing: Stat-Mux up to 4 Client ports to 2 WAN ports
- Compression: Wire-speed hardware compression
- Bandwidth Management: Time of day and dynamic bandwidth allocation
- Industry Standard Client Optics (SFP): GigE SX / FC100 Mx, 850 nm and GigE LX / FC100 SM, 1310 nm SFP

Network management

- ASE Systems Manager GUI:
- SNMP v1 and v2 management
- CLI
- Access ports
- 10/100 Mbps RJ-45 for LAN interconnect
- RS-232 DB-9 for a modem interface

Secure/Dynamic Network Module
Total power consumption: 55 W
Weight: 0.48 kg/1.05 lbs
Width: 5.377 in./136.5 mm
Height: 1.73 in./44 mm
Depth: 9 in./228.6 mm

Power supply specifications

- Redundancy: Dual hot swappable PSUs
- Input voltage range/frequency: 100-240V AC/50/60 Hz
- Input current: 6A max
- Input frequency range, output power: 47-63Hz, 377W
- Holdup time: 20ms at 110-220 VAC
- AC power supply input receptacles: IEC320 C14 male
- AC power cord rating: 15A min.
- Fan speed required: High fan speed
- Width: 4.48 in./113.74 mm
- Height: 1.845 in./46.86 mm
- Depth: 8.08 in./205.16 mm
- Weight: 1.36kg/3.00 lbs
- LED indicators: Rear LED PSU status indicator

Environmental characteristics

- Operating temperature: 5°C to 40°C (41°F to 104°F)
- Storage temperature: -40°C to 70°C (-40°F to 158°F)
- Operating humidity: 5% to 85%

Regulatory compliance EMC

- FCC Part 15 Class A
- EN 55022 Class A
- EN 55024
- EN 300 386 Class A, other than telecommunication centers

Safety

- CAN CSA 60950-1
- UL 60950-1
- FDA 21 CFR 1040.10
- IEC/EN 60950-1
- IEC/EN 60825-1
- IEC/EN 60825-2

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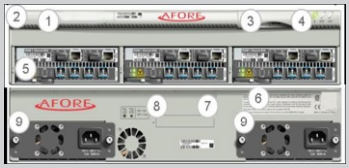

1. *Three Slot ASE3300 Platform*
2. *2U Rack Mountable Unit (ETSI, EIA 23" and EIA 19")*
3. *Management Access Ports*
4. *System Status Indicators*
5. *Pluggable Dynamic Networking Modules (DNM) (up to 3)*
6. *Platform designed for FIPS 140-2 Compliance*
7. *Centralized Control Processor*
8. *Power Supply Status Indicators*
9. *Redundant Power Supply Units (PSU)*

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