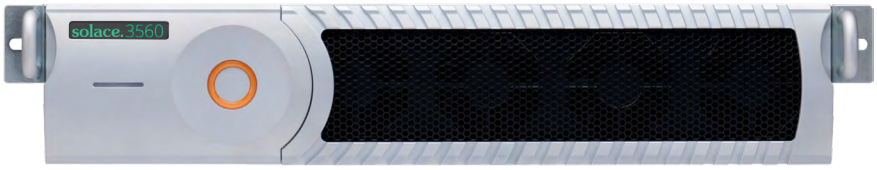
Solace Event Broker Appliance

Real-time data distribution for event-driven enterprises

Solace Event Broker efficiently streams events and information across cloud, on-premises and IoT environments. The "+" means it supports a wide range of message exchange patterns including publish/subscribe, request/reply, queueing and streaming, with qualities of service like best effort and guaranteed delivery.

Solace Event Broker is available as a turnkey rack-mounted appliance that offers unparalleled performance and low TCO.



Connectivity & Performance		
I/O Cards	4x10GE, 8x10GE	
Connections	Enterprise/JMS	30,000
	IoT, REST, Web	200,000
Non-Persistent Messaging Performance	Point to Point	12M msgs/sec
	With Fan-out	30M msgs/sec
	Latency	20 microseconds
Persistent Messaging Performance	Point to Point	620,000 msgs/sec
	With Fan-out	5,500,000 msgs/sec
	Throughput	9.5 Gbps

Why Enterprises Choose Solace Appliances

Purpose-built for Performance

Soalce appliances are purpose-built with high-speed FPGAs and network processors that eliminate the need for an OS and support massive throughput and extremely low, predictable latency.

99.999% Availability

Solace appliances offer built-in redundancy with discrete data and control planes, field-serviceable power supplies and internal solid-state disks.

Automated Disaster Recovery

Solace appliances can continuously replicate all messages to standby sites, complete with their states, queues, and configuration for very fast failover with no message loss.

Key Capabilities and Features

APIs & Protocols

- Support for AMQP, JMS, MQTT, Node.js, Paho, Qpid, WebSocket, and more
- Messaging APIs for C, C++, C#/.NET, Java, JavaScript, JMS/JCA, Node.js and Python

Federated Architecture

- Routing across distributed cloud and on-premises environments
- Dynamic self-learning routing
- Fast, bandwidth-efficient routing over wide area networks

Reliability & Robustness

- Built-in fault tolerance and high availability configuration options
- Built-in disaster recovery functionality for business continuity

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Security

- Authentication, authorization and encryption of assets and information

More Capabilities and Features

Integration

- Aggregate events from streaming and analytics products like Apache Kafka
- Integrate data processing runtime engines such as Apache Spark, Apache Beam and Kafka Connect
- Use REST delivery points to integrate into cloud native services including data lakes like Azure Data Lake and serverless capabilities like Google Functions and AWS Lambda

Advanced Messaging

- Message caching and replay
- Sophisticated topics, including wild-cards
- Message prioritization
- Dead message queues
- In-service upgrades

Management & Monitoring

- Centralized administration
- Powerful, proactive monitoring and alerting, including integration with existing monitoring tools
- Distributed Tracing enabled with OpenTelemetry standard for end-to-end observability

Rear View of Appliance

Hardware & Networking Specifications

Model Names
- Product Name: 3560 Model: 3200

Safety Approvals
- UL62368-1:Ed.3, 2019
- CAN/CSA C22.2 No. 62368-1:19
- IEC 62368-1:2018

Disk Space
- 30 GB plus message spool

Physical
- Weight: 54lbs. (24.5 kg)
- Height: 3.5” (89mm)
- Width: 17.1” (435mm)
- Depth: 31.9” (810mm)

Interfaces
- Ethernet 10G Base SR
- Fibre Channel 16/8/4 Gbps auto-negotiation
- RS232

Power
- Supply: 80+, 2x1000W
- Input: 100-240VAC, 5-2.5A, 47-63Hz X2
- Consumption: Typical 380W and 400 VA @120V

EMC Approvals
- FCC 47 CFR Part 15, Subpart B
- EN 61000-3-2:2014
- EN 61000-3-3:2013
- CISPR 32:2015 AMD1:2020
- EN 55032:2015/A11:2020
- ICES-003 Issue 7 October 2020
- EN 55035:2017/A11:2020

Environmental
- Operating Temperature: 10°C to 40°C
- Operating Humidity: 5% to 85% (non-condensing)
- Storage Temperature: -40°C to 65°C
- Storage Humidity: 5% to 95% (non-condensing)
- Air Flow Direction: Front to Back
- RoHS