

# Ultra Messaging® Streaming Edition

## Market-leading Performance and Reliability with Less Hardware

### BENEFITS

- Ultra-low latency – nanoseconds with IPC, microseconds with 10G or IB
- Scalability – deploy new applications/servers without worry
- Throughput – up to several millions of messages per second
- Cost Reduction – eliminate central brokers, reduce server footprint, save energy costs
- Agility – grow your business quicker with better IT agility
- Availability – true 24x7 availability and zero latency hot/hot failover

### Grow Your Business, Not Your Infrastructure

Efficiency, performance, scalability, throughput, cost savings, agility, and availability.

It all adds up to the market leader in high-performance low-latency reliable streaming messaging: Ultra Messaging Streaming Edition (UMS).

Ultra Messaging is the first messaging software designed for maximum efficiency – with “nothing in the middle” – to provide great performance, even on commodity hardware, and with no single points of failure. Compared to broker- and daemon-based solutions, this means *better* performance with *less* hardware. Whether you require very high throughput (several millions of messages per second) or extremely low latency (sub-500 nanoseconds with IPC on the same host), UMS can deliver it. Better efficiency also means fewer wasted resources and therefore more headroom on your servers and network for the future growth of your business.

But extreme performance is just part of the story with Ultra Messaging, which also serves as the messaging bus for other Ultra Messaging editions – Guaranteed Messaging (“Persistence Edition”) and Once-And-Only-Once delivery (“Queueing Edition”).

Ultra Messaging is also well-known for its scalability, agility, and availability. The scalability is nearly linear, which increases your business and IT agility: to deploy a new application in production, just add a server and “re-grade the load” with little concern for affecting the performance of existing applications. And availability and failover is so robust that one customer experienced no outages related to Ultra Messaging in the first four years after deployment.

Another benefit of “nothing in the middle” is the pure cost savings resulting from less hardware to purchase, power, and manage. One customer reduced their messaging hardware needs by 50% and still improved performance by over 500%.

Ultra Messaging offers performance with a wide range of choices, to accommodate a wide range of business and application requirements, allowing standardization across the front, middle, and back office.

# Ultra Messaging Streaming Edition Key Features

## Performance, Scalability, Availability – with Less Hardware

- Ultra-Efficient Daemon-less / Broker-less Design – delivers excellent performance even on commodity hardware, with the headroom to perform even better on high-end hardware
- Extreme Performance – prioritize for ultra-low latency, or very high throughput, or anything in between with our versatile configuration options
- Smaller Server Footprint – less hardware means less expense and IT headaches, fewer single points of failure across the enterprise, and simpler disaster recovery planning
- Near-linear Scalability – add applications and servers without worry about stability or performance
- True 24x7 Availability and Hot/Hot Failover – very robust and stable, with no single points of failure, Ultra Messaging is always available when your applications are available
- Leverage Technology Upgrades – efficiency means instant benefits from high-performance and multi-core processors, 10GigE, InfiniBand, Non-Uniform Memory Architectures, etc.
- Wide Range of Network Transport Protocols – IPC, RDMA, Accelerated Multicast with kernel bypass, Reliable Multicast, Reliable Unicast, TCP
- Reliable Streaming Messaging – both publish/subscribe and request/response
- Efficient Message Filtering and Sequencing – stabilizes your network and reduces network bandwidth and “jitter” by filtering messages as early as possible and copying them as late as possible
- Includes Ultra Messaging Gateway – send across the WAN and across the world

## Additional Options

- UMDS – managed TCP fan-out to the desktop
- UMCache – archive/replay, compliance and go-live testing, etc.
- UMM – management console for centralized control of applications
- UMWeb – scalable streaming messages to diverse mobile devices and browsers
- SNMP Agent – network monitoring

## LEARN MORE

Learn more about the entire Informatica product platform.

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## ABOUT INFORMATICA

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