

Objective Interface Systems

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ORBexpress

ORBexpress is a high-performance implementation of the Common Object Request Broker Architecture (CORBA), an open standard enabling applications in heterogeneous environments to communicate seamlessly.

Built to meet the demands of embedded and real-time developers, independent studies have proven ORBexpress the fastest ORB in the industry. ORBexpress provides critical real-time CORBA capabilities for the world's most deterministic systems. The small efficient memory footprint adds virtually no additional latency to communications.

Available on more than 1,200 different binary platforms, ORBexpress is used successfully in virtually every major Software-Defined Radio (SDR) program. It is the middleware foundation for the industry's first certified JTRS SDR.



FEATURES:

- Fast, lean: built for real-time applications with minimal overhead
- Real-time: predictable internals and end-to-end round-trip behavior
- Heterogeneous: built to bridge different CPUs, OSs, language, and media
- Reliable: errors detected earlier in the life cycle
- Bounded priority inversions: limits time that the low-priority activities suspend high-priority activities
- Quality of Service (QoS): take advantage of media-specific options on plug-in transports