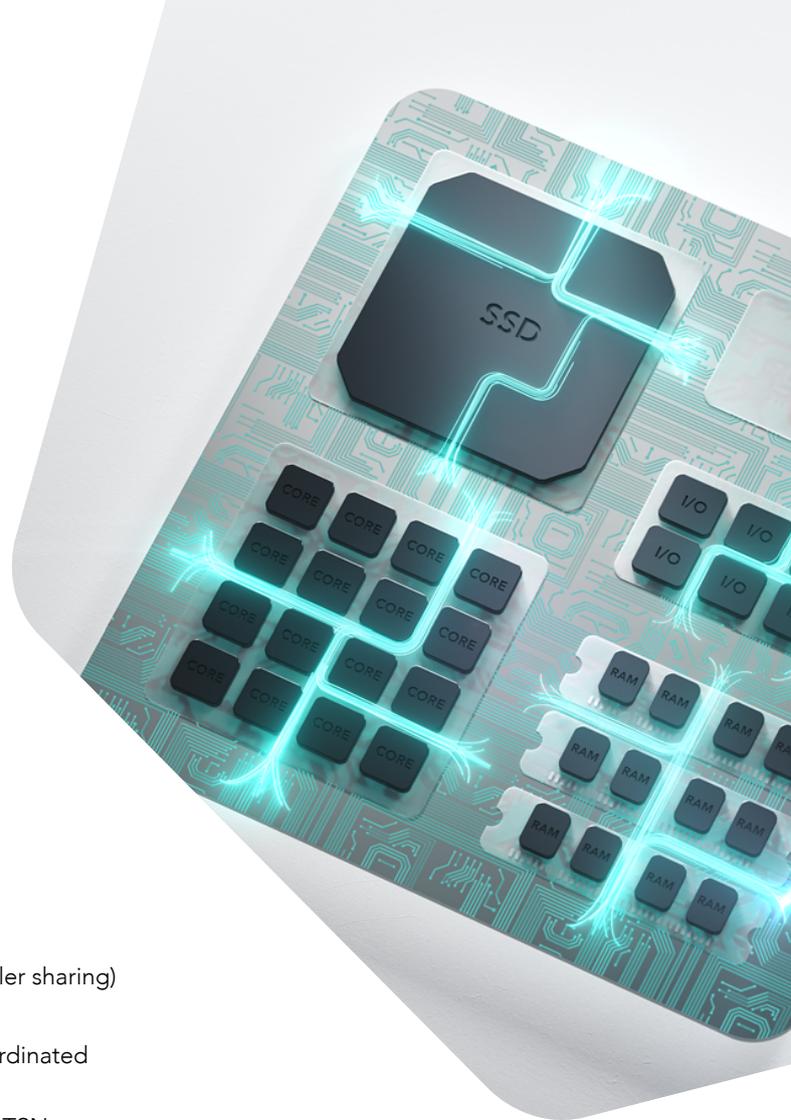


RTS Hypervisor

Harness the power of today's multi-core processors with the innovative RTS Hypervisor from Real-Time Systems.

The powerful software is proven in thousands of systems worldwide. It permits multiple real-time and general-purpose operating systems to run concurrently on multi-core x86 processors. Designers attain increased flexibility in system design and remarkable enhancements to functionality and performance. This reduces both time to market and overall system costs.



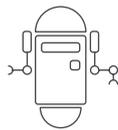
Hardware access

- Disk and disk partition assignment (AHCI/NVMe controller sharing)
- USB port assignment (xHCI controller sharing)
- Separation and locking of shared caches with Time Coordinated Computing (TCC)
- Seamless integration of commercial Fieldbus, EtherCat, TSN, etc.

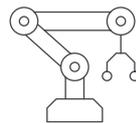
Applications



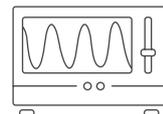
Medical technology



Robotics



Industrial automation



Test & measurement systems



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Your benefits



Seamless operation
out of the box



Shorter time to market,
maximum productivity



Full flexibility in
system functionality



Reduced system costs
and physical size



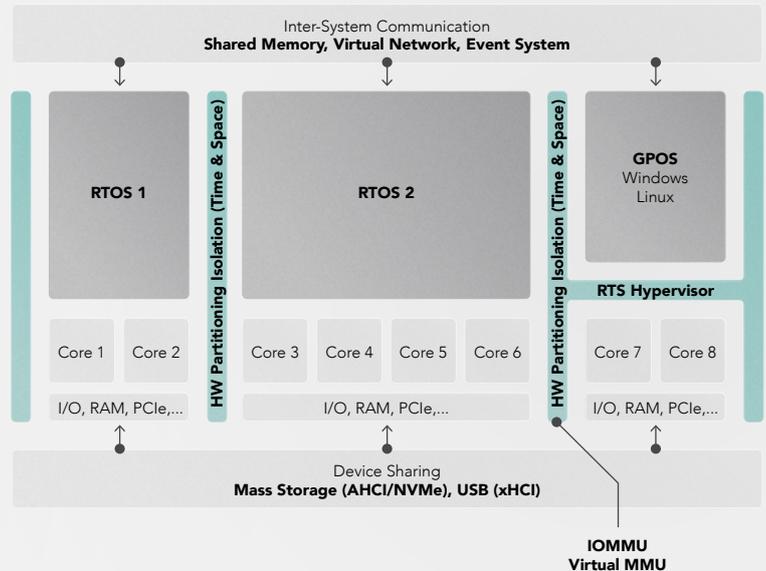
Support from low-power
modules to multi-socket
servers



Secure design

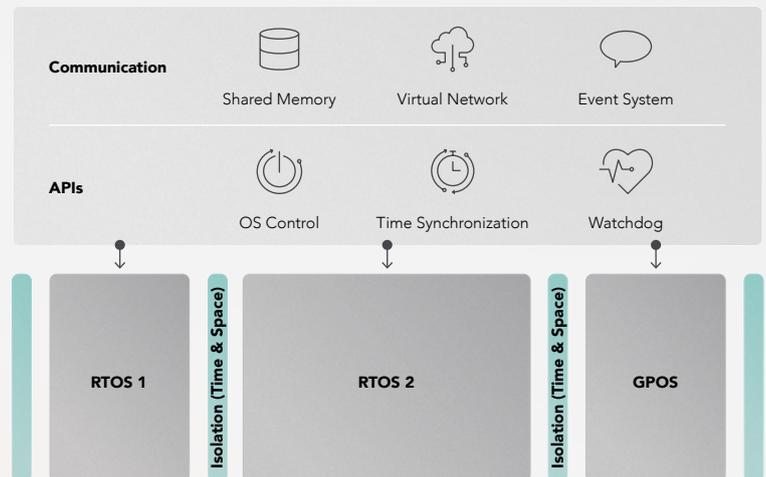
Multiple systems – hard real-time

- Simultaneous operation of real-time and general-purpose operating systems
- Hard real-time
- Definable boot sequence
- Reboot of any OS at any time
- Determinism and maximum throughput with secure OS separation
- Use of existing OS device drivers and standard development tools



Inter-system communication

- **Easy communication:** Virtual Network (TCP/IP)
- **Direct data exchange:** Shared Memory with easy-to-use API
- **High performance:** Event System
- Time synchronization between OSs
- APIs to start, monitor, and stop guest operating systems
- Rights management



Supported operating systems



Our partners



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