# Azure Real Time Operating System (or Azure RTOS)

Return to Operating Systems

Microsoft's **Azure Real Time Operating System (or Azure RTOS)** is an embedded development suite including what Microsoft describes as a small but powerful operating system that provides reliable, ultra-fast performance for resource-constrained devices. It is a small, fast, reliable, and easy-to-use RTOS for connecting deeply embedded IoT devices. They present their solution as easy-to-use and “market-proven, having been deployed on more than 10 billion devices worldwide.” .

Sources: https://www.trustradius.com/operating-systems?f=0, https://www.infoworld.com/article/3536569/inside-microsofts-latest-os-azure-rtos.html

| Datasheet | |
|---|---|
| **Developer** | Microsoft |
| **Written in** | C |
| **OS family** | Real-time operating system (RTOS) |
| **Working state** | Current |
| **Source model** | Source-available software |
| **Initial release** | February 1, 2010 |
| **Latest release** | v6.1.2_rel[1] / November 10, 2020 |
| **Available in** | English |
| **Platforms** | ARC, ARM, Blackfin, CEVA, C6x, MIPS, NXP, PIC, PowerPC, RISC-V, RX, SH, SHARC, TI, V850, Xtensa, x86, Coldfire, & others |
| **Kernel type** | Embedded, deterministic, real-time microkernel, picokernel |
| **Default user interface** | Embedded UI support (GUIX) |
| **License** | Proprietary |

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Last update: **2021/10/03 15:31**