

RTOS Survey
DETI/UA STR students, 2013/2014

Characteristics to address for each RTOS

- Generic information
 - Open Source/Commercial
 - Cost (purchase & royalties)
 - Technical Support
 - Documentation (quality and availability)
- Technical information
 - Schedulers
 - IPC mechanisms
 - Development environment (coding, debugging, ...)
 - Certification
 - Supported platforms (i.e. CPU families + device-drivers)
 - Memory footprint
- Commercial information
 - Application domains
 - Portfolio
 - Number of installations

RTOS to analyse

1. VxWorks
2. freeRTOS
3. QNX
4. LynxOS
5. eCos
6. Xenomai
7. RTAI
8. ShaRK
9. MicroC/OS-II