

# STT MB Support Package

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VxWorks part (C++):

- Detects MBs and initializes UniverseII chips
- Configures PCI-to-PCI bridges, detects PCI devices and allocates memory for them
- Provides PCI single and burst transfer access methods
- Provides EPICS-based “server” method which allows slow remote access to the PCI devices (for debugging)
- Provides some device-specific methods for the Local Control FPGA and LRB/LTB (as a part of user-implemented “drivers”)
- Provides “parser” method as a tool for a language-independent PCI device initialization (under development)

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Client part (Python):

- Provides an interactive access to all detected PCI devices (single transfers only)
- Allows to do basic PCI hardware debugging without any software development
- Is very slow (0.2 sec per single read/write command)

Documentation will be available soon.