TOC

Development and production:

Datasheet

The ATCA-PTSW-AMC4-RTMO is a **xTCA**[1] based module that follows the specifications presented in PICMG[2]® PhysRTM.0, Revision 1.0 Draft 0.1g that complements PICMG® 3.0, Revision 3.0[3] with respect to ARTM specification.

The module acts as a passive External multiple-Host to ATCA Base carrier interface, providing the required electrical and logical connections, with status information.

The module implements the following functions:

- Four PCI Express 4 lane over fibre cable, compliant with v1.x., operating as a downstream system using ATCA Base carrier with a PCIe bay. The PCIe lanes are mapped on ATCA Base Carrier according Table 2.
- Two Gigabit Ethernet ports that are mapped on ARTM connector according Table 3.
- Three General purpose Optical interfaces[4] using SFP (Small form-factor pluggable) connector. These ports are mapped on ARTM connector according Table 4.
- External timing and trigger features connector.
- The ARTM provides features for control and status of on-board devices that are mapped on the ARTM, according tables referenced above.

User Manual

View the User Manual of this board.