

# Specifications

| Architecture             |   |
|--------------------------|---|
| <b>Physical</b>          | <b>Dimensions</b> Single module, full-size<br>Width: 2.89" (73.5 mm)<br>Depth 7.11" (180.6 mm)  |
| <b>Type</b>              | <b>Controller</b> MicroTCA Carrier Hub  |
| Standards                |   |
| <b>MTCA</b>              | <b>Type</b> MTCA.0 default (optional MTCA.1 or MTCA.4)  |
| <b>AMC</b>               | <b>Type</b> AMC.0   |
| <b>Module Management</b> | <b>IPMI</b> IPMI v2.0<br>HPM v1.0   |
| <b>ATCA</b>              | <b>Type</b> PICMG 3.0 Revision 2.0  |
| Configuration            |   |
| <b>Power</b>             | <b>UTC055</b> Option load dependent (as the MCMC and Shelf only < 4W) with 40GbE fabric ~70W  |
| <b>Environmental</b>     | <b>Temperature</b> See <a href="#">Ordering Options</a><br>Storage Temperature: -40° to +85°C   |
|                          | <b>Vibration</b> Operating 9.8 m/s <sup>2</sup> (1 G), 5 to 500 Hz on each axis   |
|                          | <b>Shock</b> 30Gs each axis   |
|                          | <b>Relative Humidity</b> 5 to 95% non-condensing  |
| <b>Front Panel</b>       | <b>Interface Connectors</b> RS-232 console port (RJ-45) for serial console and option for GPS NMEA serial data in/out<br>Out-of-band LAN 10/100 from MCMC/Shelf Manager (RJ-45)<br>Two in-band 100/1000/10G from Base Switch Fabric (RJ-45)<br>Two CLK IN/OUT (SMB); CLK IN becomes GPS ANT IN with GPS receiver option<br>Optional OcuLink for PCIe Gen 3, QSFP+ for SRIO Gen 2 and CBS, QSFP28 for 100GbE |
|                          | <b>LEDs</b> IPMI management control<br>LNK/ACT, OOB PCIe error, ACTIVE MCMC, GPS receiver status, Clock: Ref Good, Freq Lock, Phase Lock  |
|                          | <b>Mechanical</b> Hot-swap ejector handle with +/-15KV ESD protection (for MTCA.0 and MTCA.1)   |
| Other                    |   |
| <b>MTBF</b>              | MIL Hand book 217-F@ TBD hrs  |
| <b>Certifications</b>    | Designed to meet FCC, CE and UL certifications, where applicable  |
| <b>Standards</b>         | VadaTech is certified to both the ISO9001:2015 and AS9100D standards  |
| <b>Warranty</b>          | Two (2) years, see <a href="#">VadaTech Terms and Conditions</a>  |

## INTEGRATION SERVICES AND APPLICATION-READY PLATFORMS

VadaTech has a full ecosystem of OpenVPX, ATCA and MTCA products including chassis platforms, shelf managers, AMC modules, Switch and Payload Boards, Rear Transition Modules (RTMs), Power Modules, and more. The company also offers integration services as well as pre-configured Application-Ready Platforms. Please contact VadaTech Sales for more information.