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VadaTech, Inc. www.vadatech.com

VadaTech announces Time and Frequency module with on-board GPS

Henderson, NV – April 20, 2017 – VadaTech, a leading manufacturer of integrated systems, embedded boards, enabling software and application-ready platforms, announces the AMC005 Time and Frequency module with on-board GPS. The AMC005 provides a complete, feature-rich, GPS / PTP (1588) / IRIG / NTP bus-level timing solution to MicroTCA and ATCA systems.

Precision UTC timestamps and GPS location/time/status are all made available via PCIe registers to the host CPU/application. GPS location, time and status data are available via backplane Ethernet Broadcast/Unicast with selectable bonding and failover. Optional backup provides non-volatile storage of the Almanac, Ephemeris, and Last position data to enable rapid “warm start” re-acquisition.

The AMC005 can demodulate IRIG Amplitude Modulated (AM) signals and receive/transmit IRIG DC Level Shift (DCLS) signals. The disciplined clock, 1PPS, divided-down clocks, IRIG DCLS, and time trigger may be output in any combination of the backplane clock channels. The module acts as a Grand-Master Clock or Clock Bridge between GPS / PTP (1588) / IRIG / NTP to provide enhanced flexibility to the system design, and also supports Synchronous Ethernet (SyncE) to eliminate clock drift at the Ethernet PHY level.

The flexibility of the AMC005 makes it ideal for a board range of applications requiring precision time synchronization, including communication networks, sonar, bi-static radar and SIGINT.

About VadaTech

[VadaTech](http://www.vadatech.com) provides innovative embedded computing solutions from board-level products, chassis-level platforms, to configurable application-ready systems. With a focus on AdvancedTCA, MicroTCA, VPX and PCIe solutions, the company offers unmatched product selection and expertise. A unique combination of electrical, mechanical, software, and system-level expertise, enables VadaTech to provide customized commercial or rugged computing solutions to meet the most complex customer requirements. VadaTech also offers specialized product solutions for VME, CompactPCI, and other architectures. A member of PICMG and VITA, VadaTech has headquarters, design and manufacturing facilities in Henderson, NV with design, support and sales offices in Europe and Asia Pacific.

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