

World-Class Management Components  
FOCUSED. DEPENDABLE. PROVEN.

---

NEWS

***FOR IMMEDIATE RELEASE***

Media Contact:  
Mark Overgaard  
Pigeon Point Systems  
831-438-1565  
[mark@pigeonpoint.com](mailto:mark@pigeonpoint.com)  
[www.pigeonpoint.com](http://www.pigeonpoint.com)

**PIGEON POINT SYSTEMS DELIVERS FIRST COTS CHASSIS  
MANAGER FOR ANSI/VITA 46.11-2015  
New Release Leverages Intensive VSO Initiative to Gain Full  
ANSI Ratification**

**CARLSBAD, California, June 23, 2015** – Pigeon Point Systems, LLC, the leading independent supplier of hardware platform management solutions for VPX and AdvancedTCA<sup>®</sup> (ATCA<sup>®</sup>), has delivered the first COTS Chassis Manager compliant with the just-ratified ANSI/VITA 46.11-2015. That standard replaces the VITA 46.11 Draft Standard for Trial Use (DSTU) that was adopted in late 2013. In the drive to full ANSI ratification, the VITA Standards Organization's (VSO's) VITA 46.11 working group did multi-company interoperability testing and intensive review of the DSTU. The group focused especially on ensuring that the updated specification appropriately includes (with suitable adaptations for VPX) the requirements of the ATCA management infrastructure on which it is based.

The VITA Standards Organization (VSO) chose to base VITA 46.11 on the management infrastructure of ATCA to take advantage of the maturity and widespread implementation of that architecture in the embedded computing community. The Pigeon Point Chassis Manager is based on and shares substantial subsystems with the Pigeon Point Shelf Manager, the market leader

in ATCA Shelf Managers, which is installed in tens of thousands of shelves around the world. The Pigeon Point Chassis Manager is delivered on the ChMM-700R, a Chassis Management Mezzanine that shares its physical platform with the award-winning ShMM-700R, PPS' newest Shelf Management Mezzanine.

The new release of the Chassis Manager, designated 1.1, is derived from the recent 3.5 release of the Shelf Manager and inherits significant feature content and other improvements from that release. For example, the new Chassis Manager supports basic facilities for higher level System Manager applications to communicate with the Chassis Manager via the advanced version 6 of the Internet Protocol (IPv6).

The ChMM-700R uses a Freescale i.MX287 ARM9-based main processor to execute Linux and the Chassis Manager application, plus a Microsemi SmartFusion A2F060 intelligent mixed signal FPGA for critical supplementary functions. Like the ShMM-700R for ATCA, the ChMM-700R is based on the Pigeon Point Management Mezzanine or PPMM-700R and leverages a 204-pin DDR3 SODIMM form factor. This compact, but capable, mezzanine enables a wide range of implementation options for developers of VITA 46.11-compliant VPX chassis. The Chassis Adaptation Layer in the Pigeon Point Chassis Manager makes it easy for chassis developers to customize Chassis Manager operation for their chassis designs.

The Pigeon Point Chassis Manager complies with the VPX-specific requirements of ANSI/VITA 46.11, including its support for two functionality tiers for IPMCs, with the simpler Tier 1 model intended to facilitate lower cost implementations. The Pigeon Point Chassis Manager supports chassis with a mixture of Tier 1 IPMCs and more sophisticated Tier 2 IPMCs. The Chassis Manager itself is a Tier 2 Chassis Manager, with many extensions beyond Tier 2 requirements, such as support for redundant operation.

Redundant (or active/standby) configurations of the Pigeon Point ChMM-700R and Chassis Manager are supported for high availability of ChMM-based

chassis, where that is required. In addition, there is support for two implementations for System IPMB, the main internal management bus in VITA 46.11. In the simplest approach, System IPMB is implemented as a bus, connected to all management-equipped Field Replaceable Units (FRUs) in the chassis. Alternatively, with the ChMM-700R, System IPMB can be implemented on a radial basis for improved resilience.

There are two available adoption models for chassis developers who choose the ChMM-700R as their VITA 46.11 Chassis Manager. The first model is the simplest to develop and involves designing a custom ChMM carrier board with a ChMM-700R socket on it. A ChMM-700R purchased from Pigeon Point is integrated with that ChMM carrier boards to produce a complete Chassis Manager module. In the second model, the developer licenses the schematic for the ChMM-700R and integrates that schematic directly into their Chassis Manager module design, so that no physical mezzanine is needed at all. In either case, the Chassis Manager module can include other functionality, such as communication plane switching for the chassis.

For additional information on the Pigeon Point Chassis Manager, ChMM-700R and other Pigeon Point products, visit [www.pigeonpoint.com](http://www.pigeonpoint.com); further queries are welcome via email at [info@pigeonpoint.com](mailto:info@pigeonpoint.com).

## **About Pigeon Point**

Pigeon Point Systems LLC delivers world-class management components for modular platforms based on the AdvancedTCA, AdvancedMC and MicroTCA and VPX architectures to leading companies worldwide. Pigeon Point's focus on providing dependable, proven solutions for the management controllers in these architectures allows customers to concentrate on the value-added aspects of their products. Deep expertise on these architectures ensures compliance and interoperability in the Pigeon Point components. This expertise also uniquely

equips Pigeon Point to assist customers in building extended or custom variants of these architectures that largely preserve a standard management layer.

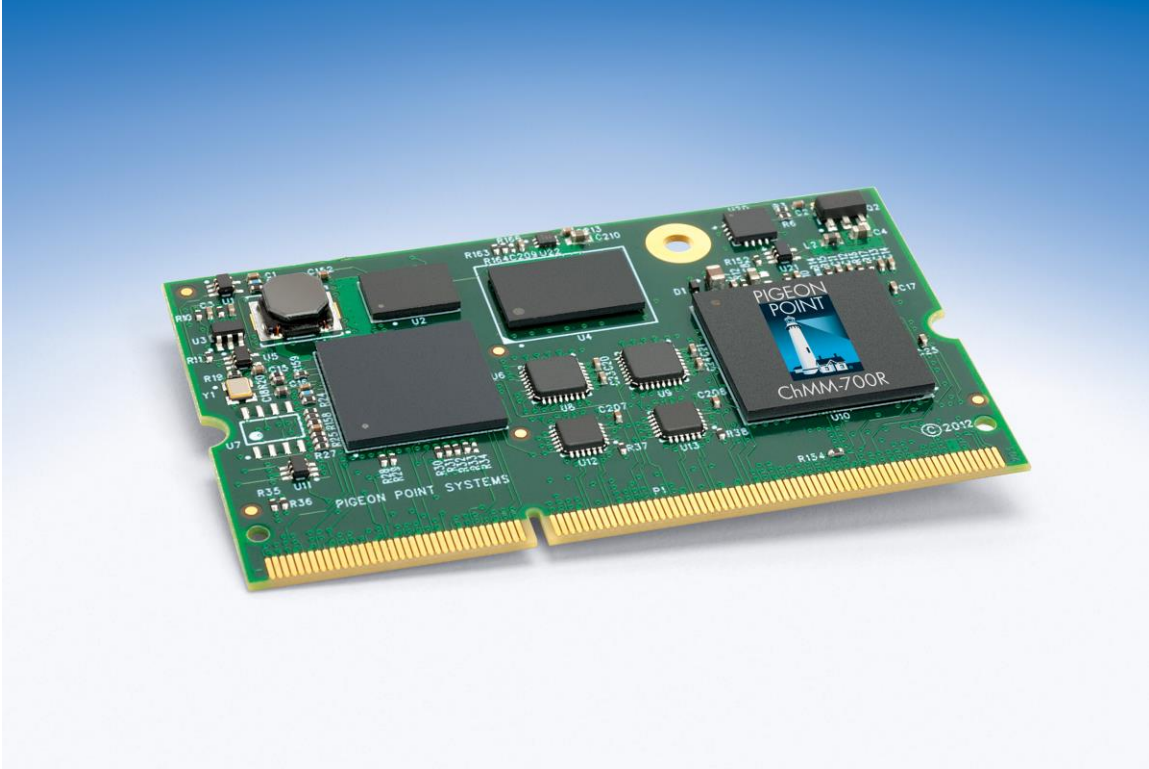
Pigeon Point is a member of VITA and participates actively in the working group that developed ANSI/VITA 46.11, covering System Management on VPX. Pigeon Point is also an executive member of PICMG, a leader in its AdvancedTCA<sup>®</sup>, AdvancedMC<sup>®</sup>, and MicroTCA<sup>™</sup> subcommittees and active in many other technical subcommittees. For more information on Pigeon Point Systems, visit [www.pigeonpoint.com](http://www.pigeonpoint.com).

Pigeon Point and the stylized lighthouse logo, as well as IntegralHPI, are trademarks of Pigeon Point Systems. Other trademarks are the property of their respective owners.

###

Notice to editors: supplementary graphics are available in soft copy at [www.pigeonpoint.com/press/ChMM-700R](http://www.pigeonpoint.com/press/ChMM-700R) and included below, with draft captions.

Graphic #1: Pigeon Point's ChMM-700R comes loaded with the Pigeon Point Chassis Manager and supports VPX chassis that are compliant with ANSI/VITA 46.11-2015.



Graphic #2: The Pigeon Point Chassis Manager and ChMM-700R support high availability configurations with redundancy for both the Chassis Manager and for communications outside the chassis. The Chassis Manager also supports a wide range of System Manager Interface protocols, as well as a highly flexible Chassis Adaptation Layer. The new 1.1 release supports IPv6 communication for any of the System Manager Interface protocols.

