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# AMD Drives High-Performance Computing for the Embedded Industry with New Customers, Growing Momentum and Broad Ecosystem Support

**—New customer wins in networking, storage and edge computing continue the momentum for AMD Ryzen™ Embedded V1000 and AMD EPYC™ Embedded 3000 platforms—**

NUREMBERG, Germany, Feb. 26, 2019 (GLOBE NEWSWIRE) -- [AMD](#) (NASDAQ: AMD) arrives at Embedded World 2019 riding a wave of success following the launch of its flagship AMD Ryzen™ Embedded V1000 and AMD EPYC™ Embedded 3000 processors in 2018 that have resulted in new and expanded partnerships with industry leaders like Advantech, Supermicro, Mentor, congatec, IEL, and more.

## **Building a New Machine Vision Ecosystem**

The AMD embedded product stack enables customers to create end-to-end solutions that provide high-performance computing from edge computing devices, all the way through to the datacenter. In combination with partners and consortiums, AMD also provides customers the ability to leverage certified software and other open frameworks to enable new, artificial intelligence or machine vision applications for their edge solutions.

At Embedded World 2019, AMD continues its work to build and grow the machine vision ecosystem for the embedded industry. Working together with Advantech and Mentor, the companies are making machine vision technology more accessible and easier to implement with a new robust edge computing solution.

Based on the Advantech SOM-5871 communications module powered by the AMD Ryzen Embedded V1000 processor and the Mentor Linux operating system, this solution will make it easier for customers to implement machine vision applications within their IoT or edge compute ecosystem, helping to improve efficiency and accuracy of machine vision solutions.

Beyond machine vision applications, AMD continues to advance a powerful and open ecosystem for interoperable IoT and edge compute solutions via its participation in the [EdgeX Foundry™](#). Current members such as [ClearBlade](#), (blockchain and data aggregation), [BeechWoods](#) (advancing data analytics), and [Enigmedia](#), (end-to-end security), are building new robust solutions capable of scaling quickly with AMD hardware.

“The power of AMD for embedded computing is in leveraging our fantastic high-performance CPU and GPU architectures that power everything from servers in mega datacenters, to mobile laptops and game consoles, and applying them to embedded applications,” said Stephen Turnbull, director of product marketing, Embedded Solutions, AMD. “The opportunity for the AMD embedded business is exactly that – helping our customers create

an AMD end-to-end computing chain that powers datacenters, computing devices and embedded products. AMD can uniquely do this with scale that includes a thriving partner ecosystem and software support.”

### **Growing Embedded into Networking and More**

The business is also expanding into new opportunities in small form factor servers and networking with partners like Supermicro with its [A+ server platform](#), congatec with the [conga-B7E3A Server-on-Module](#) and IEI with the [PUZZLE next-gen network appliance](#). All three platforms use the AMD EPYC Embedded 3000 system on a chip, which leverages the reliability, availability and serviceability features from the AMD EPYC 7000 series, bringing the power behind a mega datacenter into the embedded form factor.

- The PUZZLE series network appliance uses the AMD EPYC Embedded 3000 processor’s high core count and expansive I/O to offer real-time software-defined wide-area network services with virtual network functions services.
- The Supermicro A+ server platform (AS -E301-9D-8CN4 and AS -5019D-FTN4) use the AMD EPYC Embedded 3000 processors and target a range of networking applications including vCPE/uCPE, SD-WAN, network security appliances, private cloud devices and embedded IoT computing.
- Using the AMD EPYC Embedded 3000 processor, the congatec conga-B7E3A is a Server-on-Module that brings datacenter class features in an embedded form factor.

### **Growth Bookended by Continued Momentum**

Since launch in February 2018, the AMD EPYC Embedded 3000 series and AMD Ryzen Embedded V1000 processor family have also had tremendous success in traditional embedded verticals like casino gaming, digital displays and thin clients.

Partners including Quixant and Sapphire are building platforms that use the AMD Ryzen Embedded V1000’s capability to run four, 4K resolution screens for high-quality gaming.

The AMD Ryzen Embedded V1000 system is ideally suited for the needs of the latest digital signage displays with its ability to display 4K resolutions flawlessly. Leaders in the industry are including the AMD Ryzen Embedded V1000 in their latest digital media servers and digital signage players.

In thin clients, where AMD is a trusted market leader, the embedded processor portfolio enables customers to deliver high performance and display capabilities across 2D, 3D and HD video applications, while supporting a broad range of users, applications and the most demanding operating requirements.

“We’ve been impressed by the wide appeal of the AMD Ryzen Embedded V1000 and AMD EPYC Embedded 3000 from industries like casino gaming, industrial PCs, edge computing, IoT, networking, storage and more. The customer engagement with the products has been fantastic and the number of products on display at Embedded World 2019 powered by AMD shows the growth we’ve experienced. We’re excited to see what our customers continue to do with our current and future products,” said Turnbull.

### **Supporting Resources**

- Learn more about AMD Embedded Products at [AMD.com/Embedded](https://www.amd.com/embedded)
- Become a fan of AMD on [Facebook](#)
- Follow AMD on [Twitter](#)

## **About AMD**

For more than 45 years AMD has driven innovation in high-performance computing, graphics and visualization technologies — the building blocks for gaming, immersive platforms and the datacenter. Hundreds of millions of consumers, leading Fortune 500 businesses and cutting-edge scientific research facilities around the world rely on AMD technology daily to improve how they live, work and play. AMD employees around the world are focused on building great products that push the boundaries of what is possible. For more information about how AMD is enabling today and inspiring tomorrow, visit the AMD (NASDAQ: AMD) [website](#), [blog](#), [Facebook](#) and [Twitter](#) pages.

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