



The newly released RadiSys Procelerant CEGM45 COM Express module will drive portable applications to performance levels that were previously possible only with tethered systems. This 95 mm x 125 mm COM Express module brings together 2.53 GHz T9400 Intel Core 2 Duo processing, 8 GB DDR3 memory, 6 MB cache, new SSE4 SIMD instructions, GbE, and multiple SATA ports, providing portable architecture options to performance-intensive test and measurement, portable medical imaging, and networking systems applications.

The RadiSys Procelerant CEGM45 COM Express family supports both the Intel GM45 and GS45 chipsets to provide a wide range of Core 2 Duo processor performance. While the chipsets have the same functionality, the GM45 is validated with the high-performance 2.53 GHz Intel Core 2 Duo T9400 processor, and the GS45 is validated with the Intel 1.86 GHz SL9400 LV, 1.2 GHz SU9300 ULV, 2.26 GHz SP9300SV Core 2 Duo, and Intel Celeron 722 processors.

Additionally, the Procelerant CEGM45 family supports both Type 2 and Type 3 COM Express modules. The Type 2 module pinout is supported by adding IDE to the module to enable seamless processor upgrades for existing Type 2

COM Express users. Type 2 users can keep pace with technology without redesigning their boards for each new processor generation. The Type 3 module drops IDE and adds another GbE port, providing dual GbE in a powerful processing and connectivity module for imaging or communications applications with the future in mind.

RadiSys released its Procelerant CEGM45 COM Express modules simultaneously with Intel's next-generation Core 2 Duo processors to give RadiSys customers immediate access to the latest technology, thus saving time and resources typically associated with new processor implementations.

– RadiSys

Less processor means more value

Lots of us (myself included) tend to get caught up in the rush to put the latest and greatest processor on a small form factor module, pushing for higher performance. But lower price points are also important to many OEMs.

RadiSys recently introduced a new COM Express module targeting more value-priced needs in the Procelerant CE945GM2A. It's based on the trailing-edge Intel Celeron M 440, but it fits. The goal is to bring ETX designs forward with a better processor and new I/O like PCI Express, GbE, USB, and SATA while maintaining the legacy ETX price point.

Model: Procelerant CE945GM2A

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