

**Dynateme, Inc.**

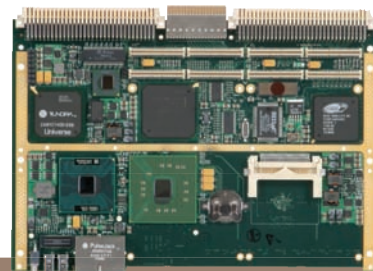
23263 Madero, Suite C • Mission Viejo, CA 92691  
949-855-3235

[www.dynateme.com](http://www.dynateme.com)

**DPD/RPD****VMEbus Pentium Core-Duo Single Board Computer**

The DPD is a VMEbus (and VME64) compatible platform based on the Intel® low-power Core-Duo (Yonah) processor. The DPD takes advantage of the Core-Duo's low 15 W power consumption as a rugged Single Board Computer (SBC). It is optionally available as an IEEE 1101.2-compliant, conduction-cooled VMEbus module with wedge locks and a full-board heat sink for high shock/vibration environments and temperature extremes.

The E7520 Memory Controller Hub (MCH) supports PCI-X and PCIe expansion, USB 2.0, ATA/100, and Serial ATA (SATA). Two Gb Ethernet ports and two USB 2.0 ports are accessible from the front panel in addition to two PMC bezels. On-board CompactFlash permits single-slot booting. Two VITA 31.1-compliant Gb Ethernet ports routed to P0.

**FEATURES**

- › Pentium Core-Duo Processor at 1.66 GHz
- › E7520 Chipset for PCIe support, high memory bandwidth and ECC
- › On-board SVGA Controller
- › Two Gb LAN front panel ports plus two more routed to the backplane in compliance with VITA 31.1
- › Supports two PMC sites, one of which optionally supports XMC modules
- › Available in conduction-cooled versions for rugged applications