



DIGITAL Alpha VME 5/352 and 5/480 Single-Board Computers Cover Letter
EK-VME54-CL. A01

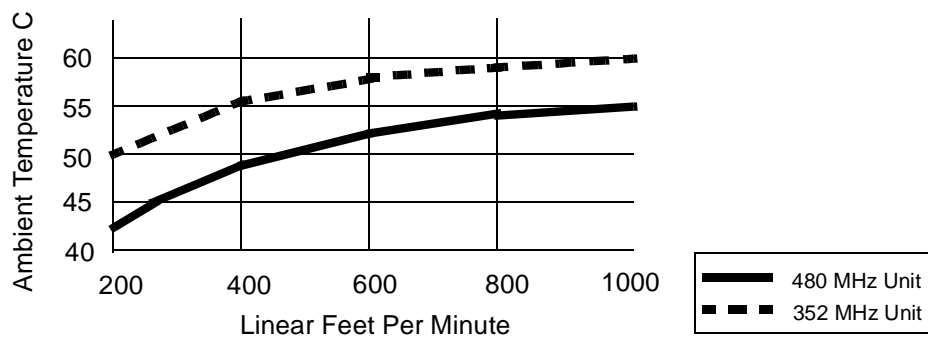
October 1997

Dear Customer,

Thank you for buying a DIGITAL Alpha VME 5/352 or 5/480 single-board computer (SBC). These AlphaPowered™ systems are based on the DIGITAL 21164 Alpha microprocessor and associated core logic.

Note two important changes in the Alpha VME 5/352 and 5/480 SBCs with respect to their predecessors:

- Alpha VME 5/352 and 5/480 SBCs require a minimum of 200 linear feet per minute of air flow across the heatsink to operate because of the high speed of the Alpha microprocessor. The curves shown in the figure below define the required air flow relative to the ambient temperature. If you operate your Alpha 5/352 or 5/480 SBC in an enclosure that is not fully assembled, be sure the air flow to and around the SBC meets or exceeds the requirements indicated by the curves.



- Alpha VME 5/352 and 5/480 SBCs require use of the primary breakout module (P/N 54-24663-01) provided in your kit. This breakout module is identical to the module used with Alpha VME 4/244 and 4/288 SBCs. All other DIGITAL Alpha VME SBC predecessors use a different breakout module, which if used with an Alpha VME 5/352 or 5/480 SBC causes damage to the SBC, your VME backplane, or both.

Verify the contents of your product kit as listed in the *DIGITAL Alpha VME 5/353 and 5/480 Single-Board Computers Installation Guide* (EK-VME54-IG). Report any discrepancies to your local DIGITAL sales representative.

The following DIGITAL Alpha VME 5/352 or 5/480 SBC documentation is available on the world wide web at <http://www.digital.com/oem>, and in printed form as separately orderable items. To order printed copies, call 1-800-DIGITAL between 8:00 am and 6:00 pm, EST.

- DIGITAL Alpha VME 5/353 and 5/480 Single-Board Computers User Manual* — EK-VME54-UM

Introduces you to the SBC by discussing physical, power, and environmental requirements and describing the module and functional components. This manual also explains how to use the console, provides a detailed console command reference, and discusses diagnostics and troubleshooting.

- *DIGITAL Alpha VME 5/353 and 5/480 Single-Board Computers Technical Reference*
— EK-VME54-TM

Introduces you to the SBC by discussing physical, power, and environmental requirements and describing the module and functional components. This manual also explains system address mapping, describes the VME interface and system registers, and discusses system interrupts.

The DIGITAL Embedded & Real-Time Engineering Group