Motorola MVME172-333

Complete Product Information | decision matrix

Motorola MVME172-333 is an MVME172LX VME embedded controller whose original assembly list specifies a 60 MHz MC68060, 8 MB ECC DRAM, SCSI and Ethernet interfaces.

02 Configuration and interface matrix

Processor	60 MHz MC68060
Main memory	8 MB ECC DRAM
Storage interface	SCSI fitted for -333 assembly
Network interface	Ethernet fitted for -333 assembly
Controller family	MVME172LX
VME connection	P1/P2 VME interface
Boot monitor	172Bug firmware platform
Memory expansion	Configuration depends on fitted mezzanine
Serial configuration	Verify port type and transition connection in installed system

03 Application roles and compatibility

VME system processing

Run the established 68060 application with its original VME address and interrupt map.

SCSI storage path

Keep boot-device ID, termination and transition-module route aligned with the existing storage chain.

Ethernet host link

Restore network configuration and test the intended service endpoint after board startup.

Service and diagnostics

Use 172Bug and the installed serial console path to isolate boot, memory and interface problems.

Practical compatibility boundary

The Motorola MVME172LX installation manual explicitly lists MVME172-333 as 60 MHz MC68060 with 8 MB ECC DRAM, SCSI and Ethernet. These are the -333 assembly facts, distinct from the PA-652SE Petra II variant.

04 Product precautions

De-energize chassis

Isolate the VME supply and handle the board using ESD protection.

Memory mezzanine

Inspect fitted memory hardware and compare the recorded 8 MB ECC configuration before startup.

Transition connections

Label SCSI, Ethernet and serial leads by actual connector and port, not by nearby board position.

Boot parameters

Record 172Bug environment variables and storage selection before removing the current controller.

05 Offered unit and lifecycle

Condition: New, original product. Confirm board revision, fitted memory mezzanine, rear transition hardware and software image in the quotation; peripheral devices and network cabling are separate.

Lifecycle status

MVME172-333: A current manufacturing or support phase for this complete marking is unconfirmed. For replacement planning, match the -333 memory build, transition wiring and 172Bug settings. Apter Power availability is separate from the manufacturer lifecycle phase.

Engineering decisions

Which assembly facts distinguish MVME172-333 from nearby MVME172 variants?	Motorola identifies -333 with a 60 MHz MC68060, 8 MB ECC DRAM, SCSI and Ethernet. Use all four attributes when screening a spare.
How should ECC memory be checked after installing MVME172-333?	Compare detected memory with the 8 MB assembly and review 172Bug memory diagnostics before loading the application image.
What can prevent MVME172-333 from finding its SCSI boot device?	Check the physical transition path, target ID, bus termination and saved firmware boot setting before replacing storage hardware.
How should Ethernet service be proved on MVME172-333?	Verify physical link, configured interface parameters and successful traffic to the intended host; also test the plant application endpoint.
Why is the 172Bug record important when changing MVME172-333?	The monitor controls board initialization and boot selection. Saved environment values help distinguish a configuration mismatch from a faulty replacement.

Discuss the fitted revision.
sales13@apterpower.com
+86 18030235313
Source: Motorola MVME172LX VME Embedded Controller Installation and Use, MVME172-2xx/3xx assembly list

Other Motorola references

Motorola MVME172PA-652SE

Motorola MVME133A-20

Motorola MVME2304 64-W5206C01B

Catalog navigation only; verify each model separately.