

A CMTL Certified Memory Module means:



QUALITY

- Modules are built using strict material control and manufacturing processes. Most manufacturers provide lifetime warranties and extensive customer support.

COMPATIBILITY

- Modules are extensively cross-platform tested for compatibility and functionality in the many different motherboards. This eliminates RMAs, tech support calls, and related overhead costs.

RELIABILITY

- CMTL provides maximum assurance that the module is reliable and not a "border line design."
- CMTL is the global expert on memory compatibility testing.

PERFORMANCE

- Modules are tested to ensure they are optimized to run at the correct speed, and that the SPD is programmed in accordance with the latest JEDEC and Intel specifications.

FIRST TO MARKET

- CMTL is often supplied with motherboards that are not scheduled for public launch for many weeks, giving manufacturers in the CMTL certification program an opportunity for first-to-market exposure with Certified Memory on the CMTL and the motherboard manufacturers' Web sites.

Memory Module Testing and Certification Program

The CMTL Memory Module Certification Program allows computer memory manufacturers to submit their modules for advanced compatibility testing on motherboards from the industry's leading manufacturers. Modules, which pass CMTL's rigorous certification testing criteria, are then awarded recognition as a CMTL Certified Memory Module, and can use the CMTL Certified Memory seal. Memory modules that have completed all the testing phases under the CMTL Memory Module Certification process are known to be compatible with the motherboards on which they were tested, and will be listed as "Certified" on the CMTL website.

Memory Certification from CMTL

Every CMTL Certified Memory module is put through extensive cross-platform advanced compatibility testing to eliminate most incompatibility risks. The memory certification process requires the module to be advanced tested for compatibility in many different motherboards from multiple motherboard manufacturers using a variety of processors and chipsets to ensure compatibility. Only modules that have a high rate of success can receive the CMTL seal of compatibility – your guarantee of a quality memory module.

Minimum testing hours required to receive CMTL Memory Module Certification:

Desktop Memory Module	100 hours
Server Memory Module	200 hours

The value of CMTL Certified Memory

In order to obtain CMTL Certification, each memory product is subjected to CMTL's exacting test procedures. This is a guarantee that every Certified Memory module is compatible with the motherboard for which it was tested, whether that's a desktop or server. Memory modules which are not CMTL Certified for compatibility and functionality may experience erratic and inconsistent functionality which can negatively

affect overall system reliability and performance. This loss of performance can be the result of issues involving module design, component selection, SPD programming, PCB structural integrity, manufacturing and quality control processes. The CMTL Certified Memory testing program can detect these potential problems.

The strategic value of CMTL Certified Memory for you and your customers

- Enhanced market leadership positioning.
- Product approval listings on Web sites of major motherboard manufacturers.
- Products differentiated from lower quality modules.
- Increased global brand positioning.
- New product test approvals mean increased revenue opportunities.
- Reduced RMAs and support calls.
- Access to valuable component data mining histories and trends.
- Promotes strong design and quality processes.
- Offers customers easy source for pre-qualified, 100% functionally tested memory products.
- Supports sales teams with valuable prospecting and development tools.
- Increases customer satisfaction and retention.



Why should you use CMTL certified products?
Go to www.cmtllabs.com