

Titan-T1 Specification

Lorentco Announces the New T1 **A very compact all-aluminum portable computer enclosure with Passive Backplane designed for Single Board Computers**



The **Titan-T1**, it is now the smallest portable computer enclosure in our Titan all-aluminum range. It is built to withstand rugged use, offers limited expansion, can be upgraded and customized using standard off-the-shelf components.

The T1 has a passive backplane configured to accept either an Intel Pentium III or Pentium 4 processor based PIC-MG format Single Board Computer. It is offered with a choice of backplanes, either 2 PCI connectors or as an alternative a combination that has 2 ISA and 1 PCI, with a maximum of two usable slots

LCD Screen

Selection of 200 NIT 14.1" TFT LCD or 15" 400 NIT TFT LCD with 3mm impact resistance glass protects the display from harsh and unfriendly environments.

Power Supply

250W 1U industrial type for passive backplane model.

Titan application ideas

The Titan-T1 is the ideal platform on which to build solution for applications where survivability and reliability is crucial. The following applications are just some examples:

- Military base and field operations
- Field service & diagnostic application in many industries
- Portable servers & workstations
- Network and communications testing
- Field data acquisition
- Geophysical exploration
- Factory monitoring/automation Video and audio editing on location

Features:

- All Aluminum Construction
- Build-in 14.1" / 15" TFT LCD Screen
- Passive Backplane form factor platform
- 2 full length PCI, ISA or PCI/ISA configuration
- 1 shock-mounted drive bays
- Detachable full size keyboard (water-resistant optional)
- Built-in glide point mouse pad
- Hard Anodizing Surface: Meet MIL-A-8625E Type II/III

General Specification

3 slots Passive Backplane platform (included)
1 PICMG, 2 full-length expansion slots (PCI or ISA)
Supports any INTEL or AMD system
Light weight aluminum chassis
Rubber protected corner & drive shock-mount
Built-in amplifiers and speakers
LCD brightness control & POWER/IDE LED indicator
Hard Anodizing Surface: MIL-A-8625E Type II/III
14.1" / 15" Active Matrix LCD 1024x768 resolution
Analog to Digital Conversion Board
3mm impact-resistant LCD screen glass
250W 110/220V industrial 1U power supply
Full size mechanical key-switch keyboard
Mouse touch pad with dual buttons
Water resistance keyboard (optional)
Soft carrying bag (included)
Notebook type slim CD-ROM (included)
Notebook type slim floppy drive (included)
Dimensions: 6"D x 11.1"H x 16.6"W
Weight: 22LBS (configured)

LCD Specification

	T1-TX15H	T1-TX14C
LCD Type	TFT	TFT
LCD Color	16M	16M
LCD Size	15"	14.1"
Resolution	1024x768	1024x768
Brightness	400 cd/m2	200 cd/m2
Response	30ms	40ms
Contrast	300:1	200:1
Video Input	A-D Conversion Board	

Environment

	Operating	Storage
Temperature	0 to 60°C	-20 to 60°C
Humidity	Meth 5%-95% RH, non-condensing	
Altitude	15,000 ft.	40,000 ft.
Shock	15g, 11ms	50g, 11ms
Vibration	20-60Hz, 0.075mm	10-50Hz, 0.15mm
Drop	3 feet height free drop	

Views from different angles:



Right Side



Back View



Left Side