



LRT 310 PC ON BA-310 SHOCK MOUNT



LRT 310 PC

RUGGED, PORTABLE PC FOR MILITARY VEHICLES LRT-310

DESCRIPTION

This equipment embodies all of Larimart's experience with previous Tactical Data Devices designed primarily as Communications Terminals for tactical environments. LRT-310 is ideally suited to operations in harsh environments such as military armoured vehicles or artillery carriers.

The rugged, MIL-SPEC compliant, aluminium alloy die-cast case is optimized for 19" rack mounting and may also be shock mounted to withstand artillery vehicle stresses. Front removable HD, CD-ROM and floppy disk drives enable operation in confined vehicle spaces.

Grouped connectors situated at the upper rear of the LRT-310 make equipment connection easy.

The equipment is supplied in the following configurations:

- "WS", PC Workstation (base configuration)
- "C", Communications Terminal with built-in data modem. Voice operations made possible by plug-in handset
- "FC", Facilities Controller.

More than 1,200 LRT-310 are in operation (field proven) in military vehicles or shelters, in many NATO and non-NATO countries supporting of tough and rugged applications requiring IT resources (data, mapping, built-in GPS receiver, web cam, etc.).

MAIN FEATURES

- Robustness is the perceived impression when LRT-310 PC is used and that is the main difference between it and a common industrial grade PC.
- Remarkable different kind of flexibility connection allow to satisfy demanding military system interface requirements:
grouped connectors and front access CDROM with FDD (Floppy Disk Drives) enable easy operation in rackmounted installations on vehicles/shelters or artillery and platforms.
- LRT-310 can be connected to the EK-310 Expansion Unit as a vehicular docking station to accommodate up to 4 full size ISA Bus cards, typically in a Facilities Controller configuration.
- Additional slots (up to 3 ISA/PCI cards) are also available inside the equipment itself for customized configuration.
- The unit's modularity is compliant with the requirements of MIL-SPEC maintainability concepts.
- Available Integrated Logistics Support completes this outstanding military PC.



TECHNICAL SPECIFICATIONS

CPU	Pentium M 1.4 GHz
RAM	256 / 512 / 1024 Mb
Hard Disk	20 /40 Gb, removable
Floppy Disk	3.5", 1.44 Mb
CD ROM	x24 speed driver
Video controller	up to 1,600 x 1,200 (UXGA), 4 Mb memory
Display	LCD TFT 14" 1,024 x 768 resolution
Serial ports	2 off RS-232, 1 off RS-232/422/485 (software configurable)
Parallel Centronics Port	1 EPP/ECP
Ethernet	10 / 100 Base-T ETHERNET
SCSI	SCSI II
Additional I/O	2 PCMCIA (type I - II) or 1 PCMCIA (type III) slots
	external monitor
	audio (speaker out, microphone in)
	USB (2 off ports)
	IrDA
Keyboard	QWERTY (rubber, sealed)
Pointing device	touchpad
Options	BA-310 shock mount
	transport bag
	handset for voice operations
	kit for video conference
	EK-310 Expansion Unit
Dimensions	372 x 106 x 375 mm (WxHxD)
Weight	10,300 kg
Power supply	20 to 32 VDC, (transients suppression device)
	external optional ac/dc adapter
Battery pack	Internal NiMH, rechargeable from DC supply
EMC	According to MIL-STD-461C
Environmental	
Altitude	9,000m / -20 °C
Vibration	5 to 500 Hz, 2g rms (with BA-310 shock mount)
Shock	30g /11 ms (with BA-310 shock mount)
Humidity	85% at 50 °C
Rain/Salt fog	According to MIL-STD-810E
Temperature range	-10 to +55 °C operating (optional: -20° C with internal heater)
	-40 to +70 °C non-operating

For more information please email infomarketing@selex-es.com

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