

Ruggedized Command & Control Solutions

COMMANDER Computer

Intel® Core™ 2 Duo with 2.0 GHz processing performance

KEY FEATURES

- Open architecture for expansion
- Intel® Core™ 2 Duo up to 2.0 GHz processing power; CTP up to 36503¹
- 40 GB automotive hard disk drive
- Dual 10/100/1000 Base-T Ethernet
- 1 GB DDR2 SODIMM standard
2 GB DDR2 SODIMM expandable
- PCI and PCIe expansion
- Four serial ports (expandable)
- Four USB 2.0 ports
- 7.0 to 30 VDC
- External display port
- 32-bit high speed PC CardBus



The COMMANDER Computer provides Intel® Core™ 2 Duo processing power housed in a rugged MIL-STD-810F compact package. Typically used with the CommandVu 6000 or VideoVu sunlight readable displays for rugged mobile and fixed applications. The COMMANDER Computer gives you the flexibility needed for your unique hardware and software applications. The COMMANDER computer can be mounted in the trunk of a vehicle or other space constrained areas. PCI and PCIe expansion slots allow for cost-effective upgrades. The COMMANDER Computer makes wheeled vehicle computing easy, reliable and upgradable.



Ruggedized Command & Control Solutions

COMMANDER Computer

SPECIFICATIONS

Functional

CPU	2 GHz Intel® Core™ 2 Duo processor 667 MHz FSB, 2 MB L2 cache, Intel 945 GM and ICH7-M
Video Controller	Intel 945GMCH (Graphic Memory Controller Hub), 244 MB memory shared with system memory. <ul style="list-style-type: none">• VGA and S-Video outputs
Serial Ports	<ul style="list-style-type: none">• Three RS-232 ports• One RS-232/422/485
Combined Keyboard/ Mouse Port	PS/2-compatible with supplied splitter
Hard Disk Drive	Internal 40 GB HD
Memory	DDR2 SODIMM 512 MB 1 GB (2.0 GB max.)
Front Access CardBus Interfaces	Two Type I or Two Type II <ul style="list-style-type: none">• Four Universal Serial Bus (USB) 2.0 port connector• Two PCI
Audio	Intel high-definition audio/w AC'97, Line-in, Line-out and Mic.
Ethernet	<ul style="list-style-type: none">• Two Ethernet controllers, 10/100/1000 Mbps• Two RJ-45 connectors
BIOS	Phoenix - AWARD V6.0PG 4 MB PnP flash BIOS
OS	Windows® XP Professional

Physical

Dimensions	8.5" W, 3.7" D, 9.4" H
Weight	12.4 lbs

Electrical

Power	7.0 to 30 Vdc, ~1.6 A quiescent @ 13.6 VDC
-------	---

Environmental

	MIL-STD-810F ²
Operating Temperature	-20°C to 60°C
Humidity	To 95% non-condensing
Vibration	3 Grms, 5-500 Hz
Shock	11ms, 50 G per axis, 18 shocks, three axis.
Storage Temperature	-40°C to 70°C (-40°F to 158°F)

Options

PCIe, one or two PCIe slots to replace PCI	
External AC power supply	
Cisco 802.11b/g with antenna or Linksys Wireless LAN	
2 W Class D audio subsystem with stereo speakers	
Video capture, using composite input for still capture and optional live TV capture.	
Power management fully software configurable with graceful shutdown.	
Serial Ports	Expandable to 12
USB ports	4 additional
Memory	2 GB

Ruggedized Command & Control Solutions

10770 Wateridge Circle, Suite 100
San Diego, California 92121 USA

Phone: 1-800-447-4373

All products or service names herein are trademarks of their respective owners.
© 2008 L-3 Communications. All rights reserved.
Specifications subject to change without notice. 01/08
COMMANDER Computer 05/28/08 ver 1.0



¹ The Composite Theoretical Performance, (CTP), calculations are based upon a modified formula and stated in Millions of Theoretical Operations Per Second (MTOPS) resulting from CoCom negotiations on December 21, 1993, and published in the United States Department of Commerce Export Administration Regulations 15 CFR 774 (Advisory Note 4 for Category 4). <http://support.intel.com/processors/ctp.htm#15>

² Methods and Procedures provided upon request.

L-3. Leading. Headquartered in New York City, L-3 Communications employs over 63,000 people worldwide and is a prime system contractor in aircraft modernization and maintenance, C3ISR (Command, Control, Communications, Intelligence, Surveillance and Reconnaissance) systems and government services. L-3 is also a leading provider of high technology products, systems and subsystems. The company reported 2006 sales of \$12.5 billion.

"This presentation consists of L-3 Communications Corporation general capabilities information that does not contain controlled technical data as defined within the International Traffic in Arms (ITAR) Part 120.10 or Export Administration Regulations (EAR) Part 734.7-11."