

Designed for maximum portable computing power, flexibility and easily upgradeable, Cyberchron's CRL-5100 series laptop provides the latest generation COTS technology for field and military use. Features of the CRL-5100 series include: portability; internal 12" transfective SVGA or 15" XGA active matrix color TFT display choices (NVG/NVIS options); touchscreen option; internal PC-104 and dual slot PCMCIA expansion for integration flexibility; Pentium III/IV CPUs to 1.5GHz+; removable 2.5" hard disk drive to 80GB+; internal CD-ROM (CD-R/W & DVD options) and floppy drive; sealed, backlit keyboard and pointing device; internal 6-40VDC power supply/charger; internal rechargeable hot-swappable Li-ion smart batteries, auto-ranging AC adapter. EMI shielding and protection options for MIL-STD-461, NSTISSAM TEMPEST, and MIL-STD-2169 HEMP.

CHASSIS

- Fully Sealed Design
- Rainproof & Dustproof, IP65
- Carrying Handle & rubber corner bumpers
- Easy Access Side Access Door
- EMI shielded, adaptable rear I/O panel

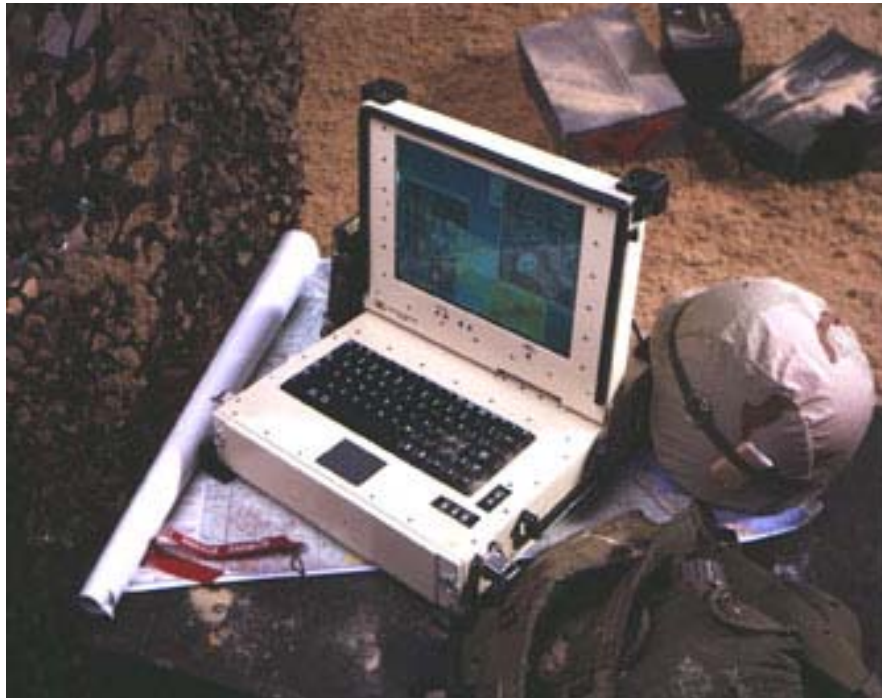
EXPANSION

- PC-104 slot internally accessible
- Supports the Latest Processors, Interfaces and Data Storage Devices
- Two Type II / One Type III PC-Card slots
- USB, Ethernet, PS/2, Video, Audio
- Wireless, Firewire, Synchronous & Modem options

POWER SUPPLY

- Rugged Design Power Supply
- Wide input: 6 – 40 VDC
- External AC adapter: 90 – 264 VAC
- Smart Li-ION Battery & Internal charger
- Extended Temperature option

FIELD-DEGRADING-MISS-NO-RISK-READY



ALTITUDE



TEMPERATURE



SOLAR RADIATION



RAIN



HUMIDITY



FUNGUS



SALT FOG



SAND/DUST



VIBRATION



SHOCK



EMI/EMC

TOTAL ENVIRONMENTAL PROTECTION

DISPLAY

- 15" XGA AMLCD TFT color display
- Optional 12" SVGA Transfective color display
- Front Accessible Controls, Indicators
- Touch-screen options
- Night Vision compatible options

KEYBOARD

- Full size Keyboard for Easy of Interface
- Fully Sealed Keyboard and Pointing Device
- 86 key QWERTY standard
- Backlit standard option
- Custom legends & formats on request

PERIPHERAL BAY

- Quick Access side door, bottom panel
- Easily Removable Hard Drive
- Accommodates 4+ Accessible Drives
- Removable Li-Ion battery (hot-swap option)
- USB, Ethernet, Audio, Serial, Parallel, Video & External keyboard/mouse ports

CRL-5100

Rugged Portable Laptop

UNIT SPECIFICATIONS

DIMENSIONS

Closed for Transport 14"W x 3.75"H x 13"D

WEIGHT

Unit 15 Lbs
Shipping 28 lbs

COLOR

Standard 27038 Textured Black per FED-STD-595
Options Other colors available with larger quantities

WARRANTY

Standard 12 month Return-to-Factory
Option Extended Warranties Available Upon Request

CONFIGURATION

CHASSIS	High strength Aluminum Fully Sealed Optional Transit Case (RMP)
DISPLAY	12" SVGA (800 x 600) Transflective, Color 15" XGA (1024 x 768) AMLCD TFT, Color
Options	Touchscreen Night Vision Goggle (NVG) compatible
CPU OPTIONS	Pentium III/IV to 1.5GHz+ Low power mobile or full Pentium III/IV
MEMORY	32MB to 1GB+
VIDEO	128 bit graphics, 8 - 64MB memory
KEYBOARD	Sealed, rubberized 86-key QWERTY keyboard Backlit
POINTER	Sealed pointing device, 3 button control
OPERATING SYSTEM	Windows 98, 2000, NT, Solaris, Linux, others
PERIPHERAL BAYS	Accessible devices including: 2½" removable hard disk drive, CD-ROM, floppy disk, Li-ION battery, 2 slot PCMCIA
POWER	6-40VDC input ; 86-264VAC, 47-400Hz external adapter, Li-ION smart battery
EXPANSION	Internal 2 x Type II PCMCIA slots
Option	Internal 1 x PC-104 slot
INTERFACES	1 x serial, 1 x parallel, 1 x video, 1 x USB, 1 x Ethernet, Headset, Microphone, PS/2, plus 2 slot PCMCIA.



ENVIRONMENTAL CHARACTERISTICS*

Note: Extended Environmental Characteristics Are Available

Temperature, operating	0°C to +50°C
non-operating	-40°C to +71°C
Altitude, operating	-1,000 to 15,000'
non-operating	to 60,000' (Method 500.3)
Fungus	Will not support growth per Method 508.4
Humidity	0-95% Non-condensing
Rain	Operating, per Method 506.3 Procedure I
Salt Fog	MIL-STD-810E Method 509.3 Procedure I, exterior
Sand & Dust	Operating per Method 510.3 Procedure I
Solar Radiation	Operation in direct sunlight, minimum 30 minutes
Shock, operating	20g @ 11mS half sine, per Method 516.4 Procedure I
Shock, non-operating	75g @ 11mS half sine, per Method 516.4 Procedure V; 4' drop (in transit case)
Vibration	Per shipboard, common carrier, ground mobile, aircraft, tactical wheeled vehicle (Method 514.4); MIL-STD-167/1 type 1
MTBF	>6,500 hrs ground benign @ 25°C, typical, configuration dependent
MTR	<30 minutes
EMI/EMC Standard	Designed for FCC Class A/B
Optional	MIL-STD-461C, D, E

For Sales or Service Contact:

Trademarks: Sun; SPARC - Sun Microsystems; VGA, SVGA - IBM Corp; UNIX - AT&T Corp; The Rugged Edge - Cyberchron Corporation. All trademarks property of their respective owners.
The company policy is one of continuous product development. Product specifications subject to change without notice. Not responsible for typographical errors