



Designed for maximum portable computing power, flexibility and easily upgradeable, Cyberchron's CRL-5200 series laptop provides the latest generation COTS technology for field and military use. Features of the CRL-5200 series include: portability; internal 14.1" XGA Color active matrix TFT display (Transflective & NVG/NVIS options); touchscreen option; 2 x Type 2 / 1 x Type 3 slot PCMCIA expansion for integration flexibility; Pentium IV-M CPUs to 2.6GHz+; removable 2.5" hard disk drive to 100GB+; internal CD-ROM (CD-R/W & DVD options) and floppy drive; sealed, backlit keyboard and pointing device; internal 8-38VDC power supply & charger; re-chargeable hot-swappable Li-ion smart batteries, auto-ranging AC adapter. EMI shielding options for MIL-STD-461, NSTISSAM TEMPEST and MIL-STD-2169 HEMP.

CHASSIS

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

EXPANSION

- Mini-PCI slot internally accessible
- Supports upgradeable P-IV-M processor module mezzanine design
- Two Type II / One Type III PC-Card slots
- USB, Ethernet, PS/2, Video, Audio & more

POWER SUPPLY

- Rugged Design Power Supply
- Wide input: 8 – 38 VDC
- External AC adapter: 95 – 240 VAC
- Smart Li-ION Battery & Internal charger
- Extended Temperature option



ALTITUDE



TEMPERATURE



SOLAR RADIATION



RAIN



HUMIDITY



FUNGUS



SALT FOG



SAND/DUST



VIBRATION



SHOCK



EMI/EMC

FIELD RUGGED - MISSION READY



DISPLAY

- 14.1" XGA AMLCD TFT color display
- Optional 12" SVGA Transflective 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

- Front Accessible Peripherals & Battery
- Easily Removable Hard Drive
- Accommodates 2+ Accessible Drives
- Removable Li-Ion battery (hot-swap option)
- Fully Sealed against liquids and dust

CRL-5200

Rugged Portable Laptop

UNIT SPECIFICATIONS

DIMENSIONS

Closed for Transport 13.5"W x 2.1"H x 10.2"D

WEIGHT

Unit 9.6 Lbs
Shipping 20 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 Cast Magnesium Alloy Fully Sealed Optional Transit Case (RMP)
DISPLAY Options	14.1" XGA (1024 x 768) AMLCD TFT, Color Touchscreen; Transflective display Night Vision Goggle (NVG) compatibility
CPU OPTIONS	Pentium IV-M to 2.6GHz+
MEMORY	256MB to 1GB+
VIDEO	128 bit graphics, 64MB shared memory
KEYBOARD	Sealed, rubberized 86-key QWERTY keyboard Backlit
POINTER	Sealed pointing device, 3 button control
OPERATING SYSTEM	Windows 98, 2000, NT, XP, Solaris, Linux, others
PERIPHERAL BAYS	Accessible devices including: 2½" removable hard disk drive, CD-ROM, floppy disk, Li-ION battery, 2 slot PCMCIA
POWER	8-38VDC input; 95-240VAC, 47-400Hz external adapter, Li-ION smart battery
EXPANSION	Internal 2 x Type 2 or 1 x Type 3 PCMCIA slots Internal Mini-PCI bus slot
INTERFACES	2 x serial, 1 x parallel, 1 x video, 2 x USB 2.0, 1 x Ethernet/FAX Modem combo port, PS/2 keyboard/Mouse, 176 pin docking connector port (for external docking station option), Radio Antenna link port



ENVIRONMENTAL CHARACTERISTICS*

Note: Extended Environmental Characteristics Are Available

Temperature, operating non-operating option	0°C to +50°C -40°C to +71°C -25°C to +55°C
Altitude, operating non-operating	-1,000 to 12,000' 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
MTTR	<30 minutes
EMI/EMC Standard Optional	Designed for FCC Class A/B MIL-STD-461C, D, E

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