

SABER SMART™ CB 10.4

Smart Display Technology in a Military-grade Enclosure

The **Saber Smart™ CB 10.4** Rugged Display/Computer series integrates our industry-leading ruggedized LCDs and enclosures with cutting-edge embedded processing power, providing an all-in-one military-grade solution.

Leveraging the power of our in-house PCB technicians and embedded systems engineers, the Saber Smart comes with the capability to utilize a full range of CPUs, allowing you as much (or as little) computing power as needed. And our experienced team of mechanical and electrical engineers ensure compliance with MIL-DTL-901, MIL-STD-810, MIL-STD-461, MIL-STD-167, and more.



FEATURES

- ▶ Embedded Computer (many models available)
- ▶ 10.4" 1024 x 768 sunlight readable and NVIS-compatible display
- ▶ General Digital Intelligent Display Board + Carrier PCB
- ▶ Resistive touch screen with EMI shielding
- ▶ Optically-bonded display for strength and clarity
- ▶ Fiber Ethernet network interface
- ▶ 4-channel audio amplifier
- ▶ Internal Power Supply: 40W, +9-36 Vdc In
- ▶ Military-grade enclosure painted Navy Gray
- ▶ Designed, manufactured, tested, serviced in the U.S.A.

INPUTS/OUTPUTS

- ▶ DC Power In
- ▶ Network (x2)
- ▶ PTT Rx/Tx
- ▶ Headset
- ▶ Loudspeaker
- ▶ Handset
- ▶ Auxiliary Port
- ▶ Mouse
- ▶ Keyboard
- ▶ DVD Player
- ▶ DVI-D Out



Screenshot courtesy of U.S. Army Corps of Engineers

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DISPLAY SPECIFICATIONS

Display Size	10.4"
Resolution	1024 x 768
Number of Colors	16.7 Million
Luminance (Daylight/NVIS)	800/65 nits
Response Time (Rise/Decay)	30 ms
Viewing Angle (Horizontal/Vertical)	±85°/±85°
Touch Screen	Resistive, EMI Shielded



COMPUTER SPECIFICATIONS

Processor	Dual-core processor with 3.90 GHz maximum frequency (TurboBoost)
GPU	Intel® Gen. 9 LP Graphics Core Architecture
RAM	16 GB, DDR-4, 2133 MHz
SSD	256 GB, mSATA interface
Network Interface (x2)	Fiber Optic Gigabit Ethernet, RoHS compliant
Operating System	Windows® 10 Pro
Carrier PCB	GDC designed and built Intelligent Display Board and Carrier Power PCB
Audio	GDC designed and built 4 channel audio amplifier

SYSTEM SPECIFICATIONS

Input Voltage	+9–36 Vdc
Power Consumption (max.)	40 W
Operating Temperature	0° to 50°C
Enclosure Dimensions (HWD)	10.00" x 14.00" x 6.12" (w/o connectors) / 10.79" x 14.00" x 6.94" (w/connectors)
Environmental Compliance	MIL-DTL-901, MIL-STD-810, MIL-STD-461, MIL-STD-167, MIL-STD-1474



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