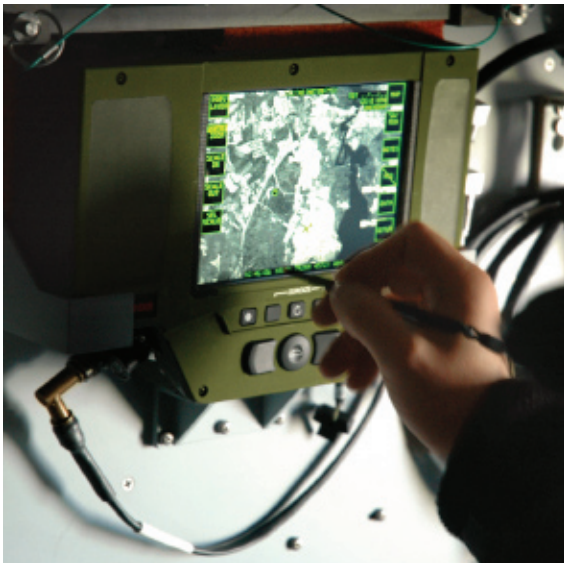




CDA Tablet PC



The Commander's Digital Assistant (CDA) Tablet PC is a rugged tablet PC designed to provide situational awareness and moving map capabilities to aircrews. The system is equipped with Windows XP® based open system software architecture but is also capable of supporting Linux.

The system features an Intel® Atom™ 1.6Ghz processor running at 1.6GHz and up to 2GB of on board DDR2 RAM. Integrated graphics are provided with up to 224MB of shared video RAM.

A 6.4" diagonal LCD with integrated touch panel provides the system human interface. The display is 640 x 480 pixels with up to 262K colors, is sunlight readable, and dimmable to less than 1.5 nits for night vision compatibility. The LCD has an EMI glass mesh touchscreen that significantly reduces radiated emissions. Additionally, the system is equipped with control buttons and a miniature mouse for cursor positioning and selection.

System storage is housed in a removable canister and is capable of supporting up to 64GB SSD. The system also includes hardware encryption and can be zeroized in less than 30msec.

The CDA is equipped with 2 configurable RS232/422 ports, 2 USB Ports, Ethernet 10/100 Base T, external VGA output, dual Type I/II PCMCIA adapter slots, a fill connector, optional L-Band GPS expansion, and a MIL-STD-1553 single redundant dual-channel data bus interface.

The system comes equipped with a tethered stylus that can be stored in an external holder when the unit is not in use.



SPECIFICATIONS



A multipurpose connector on the side of the unit supports the MIL-STD-1553, video, power and Ethernet interfaces.



Users can interface with the unit using the resistive touchscreen or using the mouse control buttons.

PROCESSOR UNIT

CPU	Intel Atom 1.6Ghz Processor
Memory	Up to 2GB DDR2
Video RAM	Integrated with up to 224MB DVMT (Dynamic Video Memory Technology 3.0) frame buffer (using shared system memory)
Video Input	NTSC/PAL/RS-170/CCAM Video Input
Video Out	HD-15 Video output
Storage	64GB SSD, removable storage canister
Encryption	256 bit AES encryption
MIL-STD-1553	Single Channel, Dual Redundant 1553 Interface
Interfaces	1 x Ethernet, 1 x USB 2.0, VGA Out
Input Power	Regulated +13.5 VDC to +17.5VDC
Power Dissipation	Max Power Dissipation 25 Watts
OS	Windows XP Embedded
Internal Expansion	1 x Serial RS422/RS232 (internal) 1 x PCI Express Minicard

DISPLAY

Resolution	640 x 480 (VGA)
Size	6.4" AMLCD
Brightness	450 nits, sunlight readable, dimmable to less than 1.5 nits for NVG compatibility
Features	EMI Mesh with Resistive Touchscreen
Contrast Ratio	250:1

PHYSICAL CHARACTERISTICS

Size	7.13" x 10.25" x 2.50"
Weight	Approximately 5.3 lbs. w/out internal battery
Housing	Aluminum Alloy \ Olive Drab

ENVIRONMENTAL CONDITIONS

Operating Temp	-40°C to +85°C
Vibration	2 GRMS 20-500Hz, 3 axes
Shock	15G 11ms, ½ sine wave, 3 axes (operating), 30G 6ms, ½ sine wave, 3 axes (non-operating)
Altitude	40,000 ft
Humidity	95% over a 30°C to 60°C cycle. 5 x 48 cycles
EMI/EMC	MIL-STD-461E, RE 102 and RS 103

