

# JOINT PLATFORM TABLET (JPT)



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DRS's Joint Platform Tablet (JPT) provides all-in-one computing functionality for space-constrained vehicle applications. The JPT is an ultra-rugged computer designed specifically for demanding military applications. The JPT features a military-grade aluminum case, Intel® Core™ i7 Processor, 128 GB Solid State removable hard drive and a 10.4-inch XGA display with dependable 5-wire touch screen display. The display is NVIS capable.

The JPT meets MIL-STD-810G, MIL-STD-461F and features embedded MIL-STD-1275 power conditioning. The JPT can be hard-mounted directly into a vehicle platform without the added costs of an additional vibration isolation kit. Future capability enhancement is provided via embedded SAASM GPS and embedded TacLink/PCIDM modem options and a Type III PCMCIA slot. Additionally, JPT systems provide for future CPU upgrades to processors and enhanced 4 GB RAM expandable to 8 GB.

DRS's JPT is already the rugged tablet of choice for:

- U.S. Army Movement Tracking System (MTS) Program
- U.S. Marine Corps Target Location Designation Hand-Off System (TLDHS) Program
- U.S. Air Force Tactical Air Control Party Modernization (TACP-M) Program
- U.S. Army Intelligent Munitions Systems (IMS) Program
- U.S. Army Force XXI Battle Command Brigade and Below/Blue Force Tracking system (FBCB2/BFT)
- U.S. Special Operations Command (SOCOM)

DRS's JPT provides rugged and reliable computing to the Warfighter for use with mission critical applications. Warfighters depend on DRS for computer systems that go wherever the mission is.

# JOINT PLATFORM TABLET (JPT)

## GENERAL

Weight	Under 5 kg with standard batteries
Dimensions	31.2 cm (L) x 21 cm (H) x 5.1 cm (W) with standard batteries
Batteries	Dual smart Li-Ion packs, hot-swappable behind sealed access door
Power, DC	16-33 VDC vehicle power IAW MIL-STD-1275D
Power, AC	Universal external adapter, 100-240 Vac, 47-63Hz
Product Support	DRS is fully committed to support through multi-year warranty, AMC and in-country Transfer of Technology options

## TECHNICAL FEATURES

Processor	Intel® Core™ i7 Processor, 64-bit architecture
System Memory	4 GB expandable to 8 GB
Mass Storage	128 GB solid state hard drive (SSHD)
Display	10.4" XGA LCD
Audio	Single channel In/Out, AC'97 compatible, Integrated speakers (2x)
VGA Output	Via sealed HD-15 connector. Secondary display resolutions up to 1600 x 1200 pixels
Video In	RS-170 analog video capture, MPEG4 hardware compression, Local playback, LAN broadcast

## HARDWARE/SOFTWARE FEATURES

Express Card	Express Card 34 and 54 compatible slot behind sealed cover door
Touch Screen	5-wire resistive, pressure sensitive, rated for 35 million activations with tethered stylus
USB 2.0	4x on circular MIL connectors, 2x on commercial connector behind sealed door
Ethernet	802.3 compatible, 1x each, 10/100 Base-T and 10/100/1000 Base-T
Serial	Async, five ports, 4x RS-232 and 1x RS-422 (3x ports are optionally configured as 232 or 422)
GPS	Commercial or SAASM, better than 10m accuracy with 95% probability
Night Vision	LED backlight brightness adjustable down to 0.5 cd/m <sup>2</sup> for NVG/NVIS compatible operations

## ENVIRONMENTAL COMPLIANCE

Temperature, Operating	-30° to +55° C MIL-STD-810G, Method 502.5 (Low Temp) and 501.5 (High Temp) with expanded temperature range configurations available
Temp Shock	-30° to +55° C within 2-3 minute. Dwell at each temperature extreme for 3 hours. MIL-STD-810G, Method 503.5
Vibration	Operating; MIL-STD-810G, Method 514.6, Procedure I and Procedure II
Shock	Up to 40g, 6ms, MIL-STD-810G, Method 516.6
Altitude	4200 meters, MIL-STD-810G, Method 500.2, Procedure II (Operating & Storage)
Humidity	Immune to damp and humid environment, MIL-STD-810G, Method 507.4, Figure 507.4
Dust	Exposure to blowing dust environment, MIL-STD-810G, Method 510.5, Procedure I
Drop	Transit drop, MIL-STD-810G, Method 516.6, Procedure IV
Water Tightness	No water penetration under blowing rain condition, MIL-STD-810G, Method, 506.5, Procedure II
Fungus Growth	No fungus growth, MIL-STD-810G, Method 508.6
Explosive Atmosphere	No ignition in explosive atmosphere, MIL-STD-810G, Method 511.5, Procedure I
EMI/EMC	MIL-STD-461E, CE-102, CS-101, CS-114, CS-115, RE-102, RS-103
HEMP	MIL-STD-461E, CS-116 (near lightning strike effects)
ESD	IEC 61000-4-2, 2000 V to I/O pins (Non-Operating); 15,000 V to surfaces (Operating)

## ACCESSORIES

Keyboard
Vehicle docking stations
SSHD (64GB - 512 GB)
Cables and Installation Kits



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