

## Who We Are

### CHASSIS PLANS

- Chassis Plans designs, fabricates and integrates standard and customized high-performance computing platforms and LCD monitors for military, industry, and commercial applications.
- Using COTS components, Chassis Plans provides solutions for customers who need reliable systems that will operate in a variety of harsh conditions and who require revision control and hardware consistency for multi-year programs.
- Chassis Plans is an ITAR Registered and SBA-certified small business that has been operating in Southern California for over a decade.

### ENGINEERED TO YOUR SPECIFICATIONS

- In-house engineering department
- Design and build of rapid prototypes. Experience with solving difficult customer application problems through knowledge of the industry and custom system design and manufacturing capability
- Our Engineers use Solid Works 3D CAD modeling software for mechanical design and thermal simulation
- Design experience with MIL-STD-167, MIL-STD-461, MIL-STD-810, and MIL-S-901, in addition to FCC, UL, CE, and country specific agency requirements

### YOUR CONFIGURATION. ONE PART NUMBER.

- It's our mission to make your life easier. Our Sales Engineers will help you select the right configuration for your project, making sure the details are analyzed and that the system meets your specifications.
- One part number means easier procurement and less paperwork for you.
- Dedicated Sales and Program Managers.
- Last time buy opportunities for end-of-life components.

### FACILITY AND TEST

- All integration work is performed in a state-of-the-art, ESD-controlled facility
- Our facility has 23,000 sqft and has dedicated 12,000 sqft to manufacturing and 3,000 sqft to engineering
- Operate to anti-static standard ANSI/ESD S20.20-2007 and electronics assembly standard IPC-A-610, Revision E-2010

### QUALITY COUNTS

- ISO 9001:2008 Certified
- 100% system inspection before shipment
- All integrated systems undergo a minimum 24-hour system test and burn-in before shipment to the customer
- Assistance with 3rd party verification of system specifications
- 5-year warranty on all servers and 3-year warranty on LCD monitor products
- Assembled in the USA



*Assembled in the USA  
ISO 9001:2008 Certified  
ITAR Registered*

In a sleek package with the highest-rated protection against water and dust, the Rugged Tablet can go with you into the harshest environments out there. Running Windows 10, the new MTB-7 brings powerful functionality to your mobile data collection, featuring a large, 7-inch, extra-bright display for easily viewing maps or images, all-day battery power lasting up to 15 hours, and of course, the unmatched ruggedness that Chassis Plans is known for.

## Rugged Tablet

With a full Windows operating system, you can carry out the entire data collection process from start to finish on your MTB-7. Snap a photo, record field notes, or capture a GNSS location, and then analyze the data you just collected using the Rugged Tablet. Or, quickly transfer your data to another computer or network using one of these ways. Its racing-fast processor and lightweight, ergonomic design ensure maximum efficiency and minimal fatigue. With all the functionality of a desktop computer packed into one ultra-tough tablet, the MTB-7 will truly become your office, anywhere.



## Certifications and Standards

- FCC Class B
- CE Marking (applicable EMC, R&TTE, and LVD directives)
- Industry Canada
- EN60950 Safety
- RoHS 2 Compliant

## Applications

- Military
- Natural Science
- Utilities & Public Services
- Industrial
- Agriculture
- Oil & Gas
- Public Safety
- Construction
- Geomatics



**For more information visit  
[www.chassis-plans.com](http://www.chassis-plans.com)  
or call 858.571.4330**

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# Rugged Military Grade Tablet

MILITARY | INDUSTRIAL | COMMERCIAL



## Chassis Specifications

<b>DIMENSIONS</b>	5.40" w x 8.48" l x 1.36" d (137 x 215 x 35 mm)
<b>WEIGHT / SHIPPING WEIGHT</b>	1.5–2 lbs (680–907 g)
<b>PHYSICAL</b>	Durable, chemical- and shock-resistant design Easy-to-grip, impact-absorbing, overmolded bumpers Lightweight and ergonomic design

## Harsh Environments

Designed to meet or exceed MIL-STD-810G to the below specifications.

<b>ALTITUDE</b>	MIL-STD-810, Method 500.5
<b>HIGH TEMPERATURE</b>	50°C Operational, 70°C Storage MIL-STD-810, Method 501.5
<b>LOW TEMPERATURE</b>	-20°C Operational, -30°C Storage MIL-STD-810, Method 502.5
<b>HUMIDITY</b>	MIL-STD-810, Method 507.5
<b>BLOWING SAND AND DUST</b>	MIL-STD-810, Method 510.5
<b>TRANSPORT VIBRATION</b>	MIL-STD-810, Method 514.6
<b>BENCH HANDLING SHOCK</b>	Multiple drops from 4' (1.2-1.5m) onto concrete MIL-STD-810, Method 516.6
<b>RAIN</b>	IP68 waterproof and dustproof MIL-STD-810, Method 506.5

## Tablet Specifications

<b>TABLET SPECIFICATIONS</b>	Processor: Quad-core Intel® Atom™ Z3745 Memory: 4 GB RAM (LPDDR3) 64 GB or 128 GB flash storage options Graphics: Intel® HD Graphics Operating System: Microsoft® Windows 10 Multiple languages supported (English, French, Spanish, German, Portuguese)
<b>DISPLAY</b>	High-visibility backlit LCD for best-in-class sunlight view-ability. Portrait or landscape orientation with automatic screen rotation. Display Active Area: 7" (178 mm) Resolution: WXGA (1280 x 800)
<b>TOUCH SCREEN</b>	Projected capacitive multi-touch interface for use with gloves, small tip stylus, and in wet conditions Optically bonded for increased visibility and strength Chemically-strengthened Dragontrail™ High Ion-Exchange (HIE™) coverglass for excellent impact and scratch resistance
<b>BATTERY</b>	Removable Li-Ion battery, 39 Whr Operates 8–10 hours on one charge Battery easily changeable in field Optimized for strong performance in cold temperatures Excellent lifecycle performance Optional built-in 19-Whr battery provides additional 4–5 hours runtime and hot-swap capability
<b>PORTS</b>	Peripheral(s): USB 3.0 x 1 Aux Power Input: 12 VDC Docking port connections (Pwr, USB 2.0, & HDMI) Loud output speaker for noisy environments Dual digital microphone input for improved clarity Optional RS-232 9-Pin D-Sub connector with 5VDC power output
<b>KEYBOARD</b>	Adjustable LED backlit keys Four-way directional navpad Windows/home key Power key Enter key Three user-programmable function keys OEM configurable/customizable
<b>OPTIONS</b>	Wireless connectivity Camera (Rear: 8 MP, Front: 2 MP) GPS/GNSS (2-5 meter typical accuracy) Barcode 1D/2D imager UH RFID
<b>STANDARD ACCESSORIES</b>	Standard removable battery AC wall charger with international plug kit Capacitive small-tip stylus w/tether Quick Start Guide Hand strap Connector port dust cover