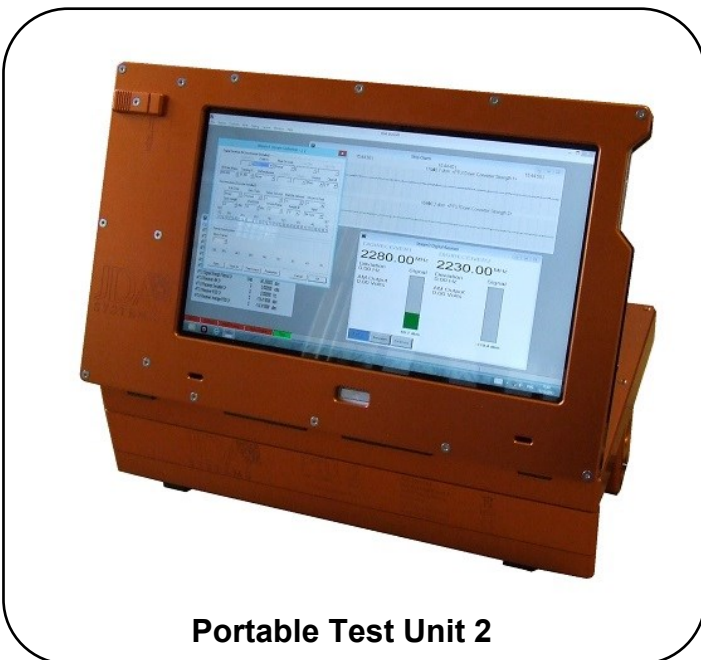




PTU2™ Portable Test Unit 2

The JDA Systems portable test unit 2 (PTU2) is a complete telemetry ground station in a box. The PTU2 leverages the capabilities off many JDA Systems components, the RF antennas, receivers, bit syncs, decoms and the VuSoft™ software program. The PTU 2 can receive dual RF channels L thru C bands, dual channel PCM telemetry in accordance with IRIG106 Chapter 4, IRIG106 Chapter 8 and numerous other formats. The recovered data may be analyzed, distributed and recorded on the internal solid state disk in IRIG106 Chapter 10 compliant files. The controlling tablet computer may be removed for declassification.



Portable Test Unit 2



Computer Interfaces



Break Out Connectors

Features

- Dual External Antenna Inputs
- Dual multiple receivers
- Dual Bit Synchronizers
- Dual PCM decommutators
- Autotracking antenna ACU Function
- IRIG A, B and G Decoder/Generator with time seed and free-wheel feature
- Optional GPS sixteen channel receiver
- Advanced PCM decoder, archival, display and analysis software
- Battery powered for extended operation
- 11.6 inch Full HD touch screen display
- Rugged light weight chassis
- Integrated break out panel
- Bit sync data and clock output suitable for external preprocessing
- Removable tablet controller SSD
- IRIG106 Chapter 10 Recorder/Regenerator
- Fully remote controllable
- Serial .DOT user equipment interfaces
- Windows 10 Based Software

For more details contact your local agent or contact JDA Systems directly:
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The uniqueness of the VuSoft software fitted on the PTU 2 is derived from flexibility and performance resulting from a highly efficient architecture. A micro messaging kernel abstracts the main system operation from the source and destination of the internal data stream. Optional libraries enable the attachment of this kernel to data from multiple sources, which can then be simultaneously acquired, displayed and processed. VuSoft is industry proven and is the worlds most popular telemetry software.

Through the use of the library concept VuSoft itself is modular and virtually independent of the data source. This ensures an evolutionary path so that VuSoft can maintain compatibility with new PC hardware and software technology and new data formats. Import and export functions provide direct access to most popular databases including TMATS, Access, dBase and Oracle. A "Basic-like" Math Engine is included to generate derived parameters that may be used just like measured parameters even as inputs to other derived parameters.

VuSoft can also distribute encrypted and compressed real-time and played back data to multiple, networked PC workstations.

General Specifications

<i>Temperature</i>	<i>-10° C to 65° C</i>
<i>Storage Temp</i>	<i>Better than -40 to 80 deg C</i>
<i>Relative Humidity</i>	<i>0 to 100% non condensing</i>
<i>RMM Type</i>	<i>Removable Tablet Controller</i>
<i>Weight Approximate</i>	<i>7 Kg</i>
<i>Power Requirement</i>	<i>100 W</i>
<i>Voltage/Frequency</i>	<i>96 to 260 VAC, 50 or 60 Hz</i>
<i>Size</i>	<i>205 x 390 x 490 mm (WxHxD)</i>

Receiver Specifications

<i>Input Frequencies</i>	<i>70Mhz thru 6GHz</i>
<i>Total Noise Figure</i>	<i>Less than 6 dB</i>
<i>Bit Sync</i>	<i>Approx 15MBit/Sec TIER0, 20MBit/Sec TIER1</i>
<i>SFDR</i>	<i>Approx 50dB @ 20 MHz BW</i>
<i>Tuner resolution</i>	<i>Programmable down to 50 kHz</i>
<i>Frequency accuracy</i>	<i>Better than 0.002%</i>
<i>IF Input</i>	<i>SMA for RF</i>
<i>Demodulation Type</i>	<i>TIER0 & TIER1 with optional TIER2</i>

Decom Specifications

<i>Decom Type</i>	<i>Dual Channel Double buffered soft decom</i>
<i>Formats</i>	<i>Chapter 4, Chapter 8 and numerous unqiue formats</i>
<i>Bit Rates</i>	<i>Decommutation in excess of 30Mbits/Sec</i>
<i>Data Formats</i>	<i>NRZ L/M/S, BIO L/M/S, RNRZ/RNRZR-9/11/15/17/23</i>
<i>Database support</i>	<i>TMATS, Access, Excel, and most others based on cross link tables and Microsoft Jet</i>

Recorder Specifications

<i>File Type</i>	<i>IRIG106 Chapter 10</i>
<i>Data Handling</i>	<i>Record, Analysis and Regeneration</i>
<i>RMM Type</i>	<i>Removable Controller Tablet</i>
<i>Transfer Speed</i>	<i>Maximum 1.5 gigabits per second</i>
<i>Record Capacity</i>	<i>512 Gigabyte internal up to 40 Terabyte external</i>
<i>Remote Control</i>	<i>RS232 or Ethernet .DOT interface</i>
<i>Network Distribution</i>	<i>IRIG106 Chapter 10 compatible Broadcast or Multicast</i>

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