

Dismounted Soldier (DS) Player Instrumentation

Rugged Mini-Computer with Radio

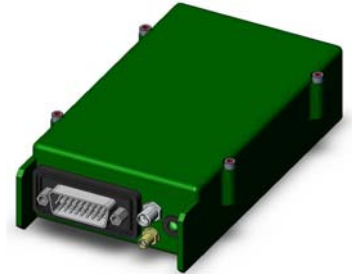
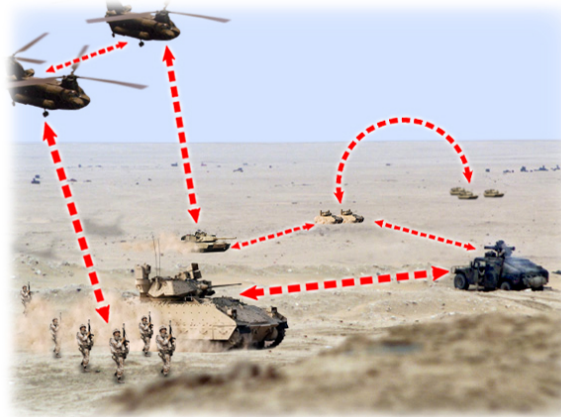
- **Dismount, Vehicle, UAV, UGV, Unattended Sensor Instrumentation**
- **Interfaces to:**
 - ◇ **MILES**
 - Dismount
 - Vehicle
 - ◇ **High Speed Serial**
 - ◇ **Ethernet**
 - ◇ **USB**
 - ◇ **Range Radios**
- **Support Direct and Indirect Fire Missions**
- **Instruments non-instrumented players**
- **Low Power Consumption**
- **Compact, Light Weight**



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SNC's instrumentation for soldier worn, tactical vehicles, and unattended ground sensors incorporates years of field experience with the latest in proven technologies.



Weight: 12 Ounces
Size: 1.3" x 3" x 5"

SNC's Dismounted Soldier (DS) Kits provide highly accurate Time, Space, Position Information (TSPI) using a Real Time Kinematic (RTK) Differential Correction Global Position System (DGPS).

Features

- CPU: PXA270 (Marvell XScale)
- Memory: 128MB SDRAM
- Storage: Secure Digital High Capacity (SDHC) – up to 32 GB
- Operating System: Linux 2.6
- Ethernet, Universal Serial Bus (USB), and Serial Interfaces
- Integrated PCMCIA Card Slot for Multi-vendor Radio Solutions
 - Self Healing Ad-Hoc Meshnetwork Radio
 - 802.11b/g, Flash OFDM, or 3G-TDCMA
- Integrated Modular Global Positioning Receiver (GPS) Options
 - L1/L2C RTK 2cm
 - L1 DGPS .5m
 - L1 DGPS 2.5m
- Supports legacy MILES Tactical Engagement System interfaces
- Supports embedded CORBA Object Request Broker for TENA or CTIA

Specifications

- DUST: MIL-STD-810F, Method 510.4, Silicon flour, 10.6 g/m³, 8.9 m/s
- VIBRATION: MIL-STD-810F, Method 514.5, Cat. 5, Loose Cargo
- SHOCK: MIL-STD-810F, Method 516.5, Procedure I, Functional shock
- IMMERSION: MIL-STD-810F, Method 512.4, 1m, 30 minutes
- HIGH TEMPERATURE: 50°C (operational) / 70°C (storage)
- LOW TEMPERATURE: -20°C (operational) / -40°C (storage)
- HUMIDITY: 95% Non-condensing
- EMI/EMC: MIL-STD-461E
- SIZE: 1.35" H x 3.00" W x 5.00" L
- WEIGHT: 0.75 lbs (DS without Battery)
- POWER: 8 – 32 VDC