

Kutta Rugged Computer

KRC-100



KUTTA[®]
Technologies for earth and air[®]

Product Overview

- Rugged Aluminum Enclosure
- Lightweight Form Factor
- Dismounted Soldier Applications
- Multiple I/O Communication Ports
- Universal Mount & MOLLE Mounting System
- MIL-STD-810 & MIL-STD-461
- Interfaces with Kutta's Handheld UAV Controller

Next Generation Rugged Computing Device

The Kutta Rugged Computer (KRC) is designed to provide embedded computing support for challenging applications, including: Unmanned Aerial Systems (UAS), manned aircraft, rugged ground vehicles, industrial environments and dismounted soldiers. The lightweight system is capable of interfacing with tactical radio and communication equipment.

KUTTA RUGGED COMPUTER - KRC

Ruggedized Computer Specifications

- Designed to meet MIL-STD-810 and MIL-STD-461
- Size: 6.6" x 6.3" x 1.6"
- Weight: 2.4 lbs
- Power: 2557 Rechargeable Lithium Ion Battery*
**Hot-Swapable / Est. 4 Hours Duration @ Full Duty Cycle*

Input / Output

• Side 1

- 5.0 ft Umbilical Cable
- USB 3.0 Port
- LAN / Ethernet Port - 10/100/1000 MBit
- 10 Pin Circular Power Connector

• Side 2

- SMA Connection (GPS Puck)

Connector A

- | | | |
|---------------|-------------|----------------|
| - HDMI | - USB 2.0 | - USB 2.0 |
| - Audio Input | - Mic Input | - Audio Output |

Connector B

- | | | |
|----------------|-----------|-----------|
| - Display Port | - USB 2.0 | - USB 2.0 |
| - RS232 Serial | | |

CPU Specifications

- Processor: Intel® Core i3 2x 1.6 GHz, Intel® QM77
- Hard Drive: 256 GB Extended Temp - Solid State Drive (SSD)
- Memory: 16 GB DDR3-1600 SO-DIMM, Dual Channel
- CPU Clock: Up to Quad Core 4x 2.3GHz
- Ethernet: 10/100/1000 MBit Ethernet
- Graphics: Intel® HD Graphics 4000
- OS: Windows® 7, Windows Vista®, Windows® XP, WES7, Linux, VxWorks
- Audio Controller: Intel® High Definition Audio
- Wireless: Intel® Centrino® Ultimate-N 6300 - 450 Mbps
- Encryption: 64-bit and 128-bit WEP, AES-CCMP, TKIP (WPA2, AES-CCMP)
- IEEE WLAN: IEEE 802.11a/b/g/n, 802.11d, 802.11e, 802.11i, 802.11h

GPS Specifications

- GPS Receiver (L1)
 - High Sensitivity Navigation Engine (PVT)
 - Tracks as low as -163dBm
 - Removes in-band jammers up to 80 dB-Hz

Mounting Specifications

- Modular Lightweight Load-carrying Equipment (MOLLE)
- VESA Mounting Interface Standard (MIS) 75 mm & 100 mm

