# Movimento Puma™ with VHUD

The Puma VHUD is a solution to monitor network communications. It brings new possibilities to show real-time network data by utilizing a display with customized panels from Pantera and of the shelf Puma hardware.

## Product Contributions

The solution supports data management, primarily the field of R&D services, but also in multiple sectors including transportation, delivery, logistics, and emergency services. It increases worker efficiency a new level of ease of use while reducing in-field data management costs.

The solution combines powerful hardware, versatile on-screen panels, a compact and optional rugged screen. User interaction is supported by an on-screen keyboard and the unit have remote connectivity capability to transfer data anytime and anywhere.

## Network Communication

The solution provides network access to critical real-time information by using the Puma hardware. It supports different combinations of network interfaces such as CAN, LIN, and MOST™, plus a wide range of protocols.

Custom panel application from Pantera with real time data and Puma as a pass-through interface

# Specifications

The Puma VHUD solution is based on a standard Movimento Puma 2.

These specifications applies to the display only.

## Operating System
• Microsoft Windows XP Tablet PC Edition, 2005

## Processor
• Intel, Ultra Low Voltage (ULV), Celeron M, 900 MHz
• 512 KB L2 cache

## Memory
• RAM installed 512 MB, DDRII SDRAM 400 MHz
• RAM maximum 1 GB

## Mainboard Features
• Chipset: Mobile Intel 915GMS Express 400 MHz data bus speed
• Video: Intel GMA 900 with Dynamic Video Memory Technology 3

## Storage Hard Drive
• Internal 40 GB 4200 rpm

## Input Devices
• Touch Screen
• 3 button pad
• 8-way stick

## Display
• 7'' Touch Screen, WVGA 800x480 Wide TFT active matrix

## PC Card and SDIO
• 1 PC Card Type II, Compact Flash Card Type II (CF-IO)
• 1 Secure Digital (SD or SDIO) slot

## Communications I/O
• 1 RJ45 Ethernet 10Base-T/100Base-TX
• 2 USB Type A
• 1 Compact Flash card reader
• 1 VGA-output, 15 pin HD D-Sub (HD-15)
• 1 Headphones 3.5 mm output
• 1 Microphone 3.5 mm input

## Connectivity
• Bluetooth, 2.0 EDR
• WiFi 802.11 b/g

## Power
• 3-cell Lithium Ion battery, with 3 hours of use
• Power Adapter AC 120/220 V, 50-60 Hz
• Vehicle 12 V DC Power Adapter

## Physical
• Unit H x W x D: 140mm x 228mm x 254mm (5.5 x 9 x 1 inch)
• Unit Weight: 0.771 kg (1.7 lbs) including battery

## Environmental Resistance
• Operating: 10°C to 30°C
• Humidity range 20-80%