



Hardware

Introduction

Low power consumption

Rugged

- resistant to heat, dust, humidity

Invenero Certified Solutions: We Endorse It

- Client computers
- Hub/Servers
- Peripherals
- Wireless Access Points



Client Computers

Low Power

- 12 volts
- Less than 20 Watts

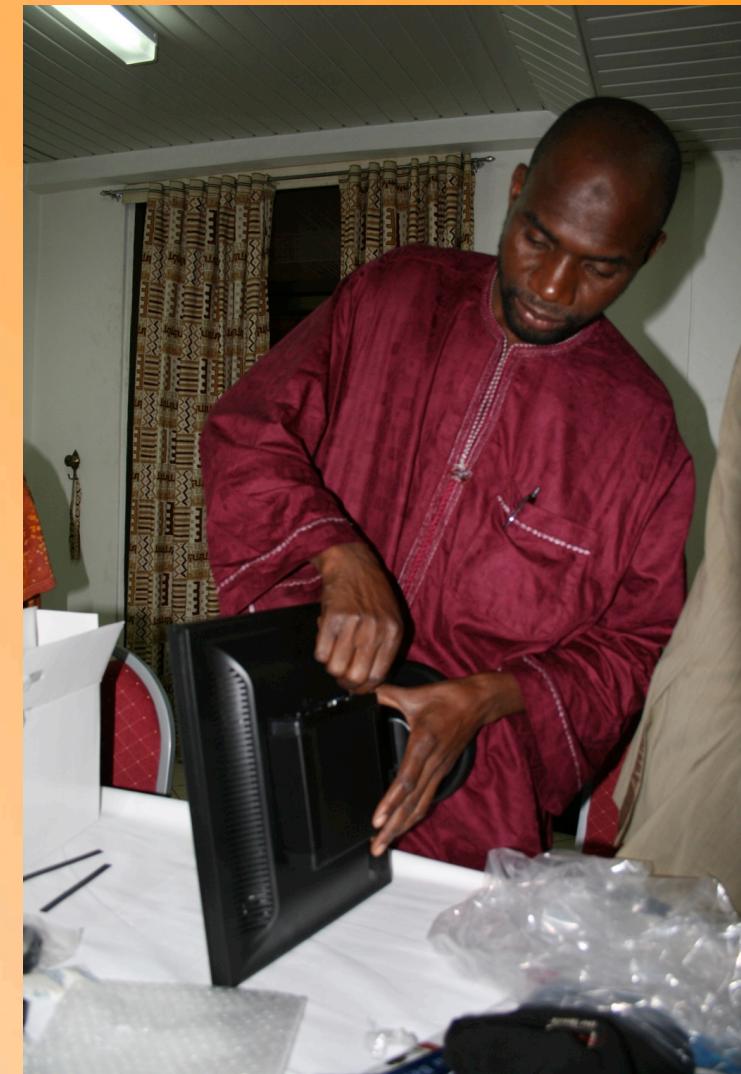
Attaches to rear of monitor

Cooling

- Fan - Asus EeeBox
- Fanless - FitPC2

Integrated Wireless

Supports Linux and
Windows 7



Asus EeeBox



- Intel Atom D410 1.66Ghz processor
- Internal wireless and gigabit Ethernet
- 250 SATA hard drive
- 1GB of memory, upgradable to 2GB
- Uses fan but only 16 watts of power

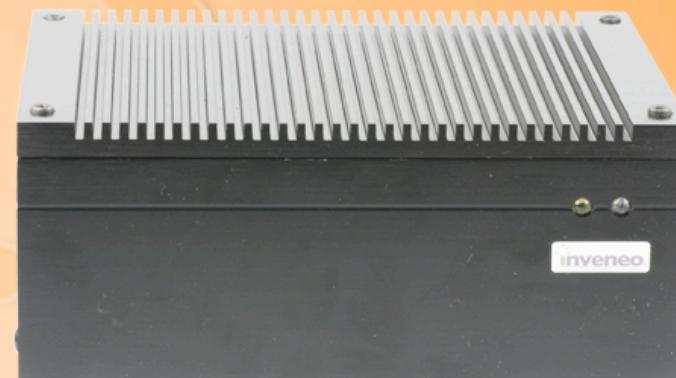
FitPC2

- Intel Atom Z530 1.6GHz processor
- 160GB SATA hard drive
- 1GB(Linux)/2GB(Windows) memory, non-upgradable
- 8 watts of power
- Fanless
- Internal wireless and gigabit Ethernet



Invenero Hub Server R3

- Less than 25 watts and 12 volt
- Aluminum heat sink case
- 1.2Ghz fanless VIA C7 processor
- 2 160GB SATA hard drives



NEVER place anything on top of the server

Invenero Hub Server R4



- 1.6Ghz dual core Intel Atom processor
- 4GB of memory
- 2 250GB SATA hard drives
- Has fan but uses less than 25 watts and 12 DC
- 6 USB ports
- 2 10/100 Ethernet ports

Peripherals

Printers

- Most are AC powered. Inkjets use less power.

USB Powered options where possible

- Scanners
- Speakers
- External CD/DVD drives
- External hard drives
- Flash/thumb drives



Wireless Hardware - Ubiquiti

- Excellent, powerful, inexpensive range of radios and antennas in 900Mhz, **2.4Ghz**, 3.365Ghz, and **5Ghz** designed for outdoor use
- Integrated Antenna and Radio
 - Nanostation
 - Nanobridge
 - Air Grid
- Antennas (Rocket Radio snaps in)
 - AirMax Sectors
 - RocketDish
- Radios
 - Rocket
 - Bullet

Ubiquiti products



Nanostation M5
16db 60°



Nanobridge M5
22db/25db 8°



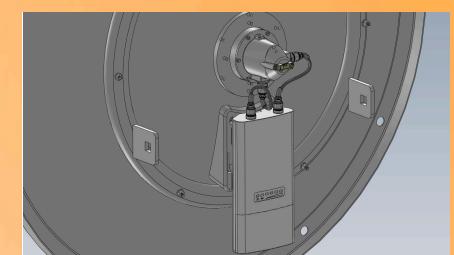
Rocket M5
radio



Rocket Dish
30db/34db 3°



16db 120°
17db 90°



19db 120°
20db 90°

Logistics

Ordering Warranty

- 1 year for all hardware

RMA/Support

- contact support@inveneo.org

Hub Server Demo

- Identify all internal components
- Replacing/upgrading RAM, hard drives
- Proper assembly

