



The Inveneo High-Performance Computing Station

The low-power, easy-to-use desktop system optimized for off-grid installations

The Inveneo High-Performance Computing Station is a low-power desktop computer designed for use in rural and off-grid locations where processor speed is required but electrical supplies are limited or unreliable, like underserved clinics, schools, community centers, and microfinance offices.

Computer components from leading manufacturers have been carefully selected and integrated into a single compact unit, optimized for performance at minimal power usage.

The High-Performance Computing Station benefits include:

- The highest available CPU speed for low power applications: uses less than 22 Watts of power during normal operation
- No need for costly inverters: it's ready to run on a pure 12 Volt DC power system right from the box
- Great multi-user viewing: it has a 15" LCD screen with a tiny overall footprint, perfect for crowded classrooms
- Low maintenance costs: its rugged hardware stands up to hot, dusty computing environments
- Your choice of software: it runs Linux or Windows 7 and can be customized with Inveneo's Community Software Pack



The Inveneo High-Performance Computing Station has a very low Total Cost of Ownership (TCO) and is designed to be sustainable even in resource-constrained environments. It combines a competitive purchase price with minimal infrastructure requirements and low support and maintenance costs. The result is a significantly more effective solution tailored to the needs of organizations operating in rural areas worldwide with a lower overall cost than traditional computers.

Inveneo Computing Station Specifications

High-Performance Computing Unit

Processor

Intel Atom D410 1.66GHz

Chipset

Pine Trail + NM10

Memory

1GB DDR2 333MHz (Linux)
2GB DDR2 333MHz (Windows 7)

Storage

SATA 2.5" 250GB 5400RPM HDD

Connectivity

- WLAN 802.11b/g/n @2.4GHz
- Gigabit Ethernet LAN

Ports

- 1 x Card Reader SD/SDHC/MMC
- 6 x USB 2.0 High-Speed data transfer
- 1 x Headphone-out jack (WO/SPDIF)
- 1x Microphone
- 1 x D-sub VGA video port
- 1 x S/PDIF digital audio output
- eSATA data transfer port

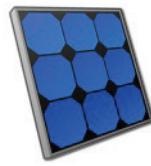
Software

Operating Systems:

- Linux
- Windows 7 (preloaded as an option)

Applications

Community Center Software Collection (preloaded as an option 30 applications, including iTunes, Skype, QuickTime, RealPlayer, Flash, and Shockwave. It also includes a typing tutor and solutions to edit photographs, audio files, and movies.)



Solar Panel

Charge Controller



Battery



Computing Station

Liquid Crystal Display

Panel Size

15.6" diagonal (39.6 cm)

Pixel Pitch

0.252 mm

Brightness

220 cd/m²

Contrast Ratio

500:1

Response Time

5 ms

Backlight

low power white LED

Viewing Angle (H / V)

150°H / 135°V

Video Input: DVI or VGA

(15-pin, D-sub connector)

Display Area

344.2(W) x 193.5 (H) mm
13.6 (W) x 7.6 (H) inch

Frequency

31-70KHz (Horizontal); 55-75Hz (Vertical)

Average Power Consumption

7W

Power Supply Input

12VDC single supply, or 100-240VAC 50-60Hz



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