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
- 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
- Runs Windows 7 and is linux-compatible
- 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 D425 1.8GHz

Chipset
Pineview + NM10

Memory
2GB DDR2 333MHz

Storage
SATA 2.5” 320GB 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 (or S/PDIF)
- 1x Microphone
- 1 x D-sub VGA video port w/ DVI adapter
- eSATA data transfer port

Software

Operating Systems:
- Without OS
- Windows 7 Pro (preloaded as an option)

Optional 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.)

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