Mobile Server Technology

*No Server Room Required

Mobile Server

- A Mobile Server is a system (Operating System and server grade computer hardware such as Intel Xeon Processors, Enterprise Solid State Drives), that responds to requests across a computer network to provide, or help to provide, a network service, while being easily portable and mobile in a laptop form factor. (from Wikipedia)

- Mobile Server is a new category of notebooks designed with a professional user in mind.

- Software and/or database developers, training centers, military personnel, emergency relief organizations and service organizations who must frequently travel, yet need access to powerful computing, are the core target for Mobile Servers.

- EUROCOM Panther Form Factor, 2013 Intel Form Factor Innovation Award Winner, given to the company who delivers the most innovative mobile solution based on Intel Technology to meet our customers' demands for mobility.

- All in one notebook form factor with integrated display, keyboard, Uninterrupted Power Supply.

- Allows for rapid deployment when single server capability is required, when multiple operating system compatibility is needed and multiple virtual machines on a single hardware platform is a must.

Server-on-the-Go Technology

Core Specifications

- Processor:
  - Intel Xeon E5-2600 series; up to 2690/2687w.
    - 8 core, 16 threads - 20M cache - LGA 2011
- Storage
  - Up to 4 Enterprise level Solid State or Mechanical Drives
    - RAID 0/1/5/10 with up to 4 TB of storage
    - Intel SSD DC S3700 Series / Intel SSD DC S3500 Series
- Operating System
  - Microsoft Server 2012, Microsoft Server 2008 R2, RedHat Enterprise Server Edition 6.4 , Vmware ESXi
- Memory
  - 4 SODIMM Sockets
  - 32 GB DDR3-1600 RAM (4x8GB)
    - 64 GB in Future
- LAN
  - Up to 3 LAN Ports are supported
    - 1 Gigabit LAN on-board (Intel 82579V),
    - 2nd , 3rd NIC 10GbE available through ExpressCard
  - Capable to add additional LAN ports through ExpressCard slot.
- Power
  - Energy Efficient
    - Power Consumption – 150-300 W
  - External Power Supply (AC adapter)
- Battery / UPS
  - Internal Battery
  - Provides one hour backup
- Dimensions
  - 12 lbs / 5.5 kg - 2.48 inch / 6.2 cm thickness - 17.3" LCD

Server-on-the-Go Technology

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Target Markets

- Consulting Companies
    - Database Development (SAP, Oracle, IBM)
    - CRM
    - Operating System
    - Network Administrator

- Application Development

- Training
    - To deliver onsite training to customers

- Small, Medium business (SMB) out of box server deployment

- Cloud Computing
    - Development, Prototyping and testing

- Military & Law Enforcement

- Natural Resource Exploration and Development

- Cloud computing development

- Software Development on the GO
    - Database, CRM Software

- Corporate Training on the Go
    - Computer Aided Training
    - Mobile Corporate Training Teams

- Network Administrators
    - Prototyping
    - Preproduction Testing
    - Network Monitoring and Auditing
        - For auditing compliancy and security standards and software licensing requirements

- Relief Organizations
    - Mobile Relief Units

- Engineering on the Go
    - Mobile Engineering Teams
    - Mobile Construction

- Personal Cloud

- Financial Secure Server

Server-**on-the-G**o **T**echnology

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Reseller Benefits

- Complete server solution out of the box

- Capability to setup customer specific specifications

    - Unique configuration ensures project award

    - Spec out server for specific project or customer requirement

- Rapid deployment and delivery of product

- Low cost shipping and deliver

- Turn key server deployment

- No need for a server room

- Specific Internal Options
    - Security Key / Dongle
        - Data Encryption, Security

Server-**on**-**the**-**G**o **T**echnology

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Business Benefits

- Provides consulting companies with capabilities to serve its customers and do development in one single box
  - Reduces development time
- Single platform allows service of multiple customers through virtualization
- Easily relocate IT Infrastructure
- Allows application development and testing on the go at multiple locations due to mobility of equipment
- Allows network auditing and monitoring to ensure compliance with corporate data security and software licensing
- Assists in delivery of training at physical customer location, reducing time and cost of sessions
- Mobile command center capability

Server-on-the-Go Technology

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Deployment Benefits

- Rapid Deployment

- Portable / Easy to Move Around

- Secure

- Hand Carry

- Allows Testing and Prototyping outside Production Server

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Online Resources

- Mobile Server Definition
  - http://en.wikipedia.org/wiki/Mobile_Server
- Super Computer Sheds Weight, Gains Mobility, Becomes "Server-on-the-Go"
  - http://web.eurocom.com/ec/data/whitepapers/13.pdf
- EUROCOM Panther 5SE Product Page:
  - http://web.eurocom.com/ec/ec_model_config1(1,234,0)x
- EUROCOM Panther 5SE Images:
  - http://web.eurocom.com/ec/ec_images(234)x
- Eurocom Panther 5SE: The Incredible Hulk of notebook computers
  - http://www.networkworld.com/reviews/2013/082613-eurocom-panther-test-273018.html?page=2
- Can a laptop also be a server?
  - http://www.computerdealernews.com/news/can-a-laptop-also-be-a-server/22660
- Server-on-the-Go
  - http://www.computerdealernews.com/news/server-on-the-go/26693
- Computing for the Mobile Engineer
  Engineers on the move need more than just a single laptop.
  - http://www.deskeng.com/articles/aabbyh.htm
- Mobile Notebook Supports Intel's i7 Extreme, Xeon Processors
  Eurocom D900F Panther notebook functions as an engineering workstation and server.
  - http://www.deskeng.com/articles/aaasfg.htm

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