TEO**SERVER**

The all-purpose server as an efficient box

TEO-Server is one of the most energy-efficient servers of the world (»der Öko-Server«, Spiegel-Online). It has enough performance for a Terminal Server, in spite of its energy consumption of only 30 – 50 watt. (Another manufacturer promotes the "most energy-efficient server of the world" with a requirement of approx. 160 watt.)

It belongs to the "TEO concept" (Thin Economic Office), which targets to reduce servers to the necessary minimum. Neither an optical drive nor a floppy drive is available. For this reason energy and room is saved. If required it is possible to attach an external drive per USB or E-SATA. The external power supply reduces the generated heat in the box.

TEO-Server has a fast S-ATA Hard Drive with 10,000 rpm. A second hard drive is not intended. In many cases (if minor down times are acceptable) it is suffice, if you make use of an intelligent solution of data backup and recovery (e.g. Drive Snapshot or Acronis in conjunction with external hard drives). If higher system stability is necessary, several different concepts could be used: Soft RAID (e.g. with Windows Server 2003) in conjunction with an E-SATA hard drive or complete redundancy by a second **TEO-Server** (e.g. as Terminal Server NLB System). In both cases further operating is possible till an exchange unit arrives.

Even if it needs getting used to: with **TEO-Server** the server becomes a simple box, which will be exchanged completely at a breakdown.

The performance of the **TEO-Server** allows supplying of 20 - 40 Terminal Server workstations. The most efficient way to operate networks is the combination of **TEO-Servers** and **Thin Clients**. Not only energy efficiency is concerned, but also maintenance costs and additional expenditure (as a study of the Fraunhofer-Gesellschaft recently verified).

As small as a thick DIN A4 book:
The TEO-Server. An intelligent cooling concept keeps the Hard Drive, processor and main board components well cooled.

Equipment:

Size: *8.5 inches x 12.2 inches x 2.4 inches*

Chipset: *Intel 945 GM*

Processor: *Core 2 Duo T7200 (2.0 GHz, 4 MB)*

Memory: *2 - 3 GB DDR-2*

Hard Drive: *150 GB S-ATA (10,000 rpm)*

Network Interface Card:
1 x 1000 Mbps, 1 x 100 Mbps

Interfaces:
1 x VGA
2 x PS/2, serial
4 x USB 2.0
1 x Audio-Out Jack
1 x S-Video
1 x E-SATA

Power consumption: *30 – 50 watt*

Also deliverable as preconfigured system:

Windows Server 2003, NLB System (Network-Loadbalancing System) for Windows 2003 Terminal Server (minimum 2 Systems required) or as preconfigured Windows 2003 Small Business Server.

The System was tested with several Linux distributions (amongst others Debian and Lotus Foundations Start).

Warranty: 3 years ex ante exchange until the next working day (inside of Germany, warranty for foreign countries on request)

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