Thin Server Board Lets Users Power Down

VIA Technologies' NAS 7800 board for thin servers and NAS segment systems offer up to eight S-ATA II ports and two Gigabit ports. Powered by a low heat, energy-efficient 1.5 GHz VIA C7 processor, with an optional fanless VIA Eden sku, the board features a proprietary MFX module for wake-up scheduling, allowing users to power servers down at nights or weekends for savings on electricity use. The VIA NAS 7800 uses a 19 cm x 14.3 cm form factor with I/O aligned to allow integration into standard drive-sized chassis or even in multiple configuration within a 1U server. Complete system security is provided through the onboard TPM module for key generation and storage and the VIA PadLock Security Engine integrated directly onto the processor die, which when enabled provides fast, military grade hardware encryption and decryption of data. The eight S-ATA II ports offer1.5 Gbits/sec and 3 Gbits/sec data transfer rates. Network support includes Gigabit Ethernet ports and an optional integrated IEEE-802.11g VIA wireless module. Featuring the VIA CN700 chipset, the server board supports up to 1 GB of DDR2 system memory, integrated VIA Unichrome Pro Integrated Graphics, an onboard IDE connector, a type-I Compact Flash slot, two COM ports and up to 6 USB 2.0 ports. The form factor matches that of a standard optical drive bay for easy deployment in standard disk drive chassis. The VIA NAS 7800 features a TPM chip for software and content security. A fully programmable MFX chip provides flexible system scheduling with wake-up, stand-by and event logging functions. A software Watchdog timer is included along with 5V/12V pins for an LCM/Keypad user interface and both GPIO and DI ports with SMI hardware interrupt functions.

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510-687-5771, www.viamainboard.com [1]

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