

High-Speed Wireless and Communications Designs



The new high-speed connectivity standard

Picowave specializes in complete MicroTCA modules design, the emerging new standard for communication equipment.

File Server Accelerator

- ▶ PCIe 2.5 GHz (4 x lanes)
- ▶ 2 x 1 Gb Ethernet
- ▶ FPGA
- ▶ DDR DIMM @ 167 MHz
- ▶ Intel IXP420 Processor



Designed by Picowave

Picowave expertise includes experience with the newest PCI-Express technologies and full range of conventional PCI, PCI-X and cPCI designs.

WiMAX Broadband wireless MAN network

- ▶ SD-Card form factor
- ▶ WiMAX Modem & Transceiver
- ▶ Flash and DRAM @ 133 MHz
- ▶ High-density, fine-pitch layout
- ▶ Micro-VIA PCB technology
- ▶ High-efficiency power section



WiMAX SD-Card



Designed by Picowave



WiMAX
FORUM

SD-Card form factor impose unique challenges of power consumption efficiency. With years of experience designing power circuits, Picowave meets these challenges using advanced design techniques such as Signal Integrity validation and thermal analysis and state-of-the-art implementation technologies, including multilayer PCB and micro-via technologies.