



# Tehuti Networks

## 10GBASE-T Power Budget Summary

March 2007

# 10GBASE-T Power Overview (Today)

- Single Port 10GBASE-T Adapter
  - 7W – Single Port XAUI FPGA Controller
  - 10W – Teranetics PHY
  - 3W – Glue logic and power circuitry
  - 20W – Total Single Port 10GBASE-T Adapter
- Dual Port 10GBASE-T Adapter
  - 7W – Dual Port XAUI FPGA Controller
  - 20W (2x10W) – Teranetics PHY
  - 3W – Glue logic and power circuitry
  - 30W – Total Dual Port 10GBASE-T Adapter
- Converting FPGA to ASIC will reduce power

# 10GBASE-T Power Overview (Q1'08)

- Single Port 10GBASE-T Adapter
  - 3W – Single Port XAUI ASIC Controller
  - 5W – Teranetics PHY
  - 2W – Power management & miscellaneous
  - 10W – Total Single Port 10GBASE-T Adapter
- Dual Port 10GBASE-T Adapter
  - 3W – Dual Port XAUI ASIC Controller
  - 10W (2x5W) – Teranetics PHY
  - 2W – Power management & miscellaneous
  - 15W – Total Dual Port 10GBASE-T Adapter