

AQ2203

Aquantia's 28nm AQ2203 is the highest density, highest performance, lowest power dual-port 10GBASE-T PHY in the industry.

The Aquantia 28nm 10GBASE-T PHY generation is ideally suited for both intra-rack connectivity as well as driving up to 100m of Cat6A/Cat7 cable. Aquantia is once again leading the industry in the process transition to 28nm, being the world's first to deliver 10GBASE-T in this advanced process technology. Aquantia's patent-protected, superior Mixed-Mode Signal Processing (MMSP) architecture continues to deliver best-in-class performance and power efficiency.

In a 19mm package, the AQ2203 provides the smallest footprint dual-port solution for high-density systems such as rack-mount servers.

FEATURES

- 10GBASE-T PHY
- IEEE 802.3an
- Up to 100m reach on CAT6A/CAT7 cabling
- Integrated MACsec, 1588 v2, EEE support
- Integrated Wake-On-LAN support
- 19mm BGA
- Monolithic 28nm CMOS process
- Multi-rate, 10GE/GE/100M
- Advanced Diagnostics
- Dual media capable with pass-through option for XFI
- Built in thermal management tools
- High-performance full KR with auto-negotiation / XFI / RXAUI / XAUI interfaces