S2KONNECT

N-3010AVB - 10/100/1000Base-T Adapter with AVB, PCI Express x1, 1 x RJ-45

Product Highlights

- Audio Video Bridging support (AVB)
- Supports up to 64 VLANs
- WoL support and Smart Power Down
- TCP Segmentation (IPv4 and IPv6)
- Substitute of SK-9E21D

Features

- AVB support according to IEEE 802.1QAV
- Supports both AVB and non AVB queues
- Suports priority between non AVB high and low traffic
- Suports priority between AVB high and low traffic
- Supports up to six flow rates and two class rates for AVB traffic
- Precise Time Protocol (PTP) for IEEE 802.1AS and IEEE 1588
- Hardware VLAN TAG removal and insertion
- PCIe x1 with 2,5 GHz signalling
- Active state power management (L0s/L1) support
- Descriptor bursting and caching
- Auto MDI/MDIX crossover at all speeds
- Integrated auto-negotiation state machine
- Wake on Link
- Parity check on all data path
- TCP, UDP, and IP checksum generation and checking on chip
- Jumbo Frame support
- Dynamic Interrupt Moderation
- Advanced Power Management (ACPI)
- PCI Low Profile (Bracket included)

S2KONNECT

N-3010AVB - 10/100/1000Base-T Adapter with AVB, PCI Express x1, 1 x RJ-45

Standard Compliance

- IEEE 802.3u (Ethernet and Fast Ethernet)
- IEEE 802.3ab and IEEE 802.3z (Gigabit Ethernet)
- IEEE 802.3ad (Link Aggregation)
- IEEE 802.3x (Flow control and Auto-negotiation)
- IEEE 802.1p (Quality of Service)
- IEEE 802.1q and IEEE 802.3ac (VLAN and VLAN tagging)
- IEEE 802.1QAV Audio Video Bridging

Driver

- Windows 32 Bit: Windows 7, Server 2008 SP2 und R2, Vista, Server 2003, XP, 2000
- Windows 64 Bit: Windows 7, Server 2008 Sp2 und R2, Vista, Server 2003, XP
- Linux 2.6 and higher
- DOS NDIS 2

Boot Options

- Standard PXE 2.1 (Pre-Boot eXecution Environment)
- RPL (Remote Program Load)

Additional Software

- Marvell Virtual Cable Tester VCT ©
- Windows Setup Installer (32 and 64Bit)
- Linux Kernel 2.6: Install Package
- DOS Diagnostics

Safety Standard

- CE

S2KONNECT

N-3010AVB - 10/100/1000Base-T Adapter with AVB, PCI Express x1, 1 x RJ-45

EMC

- CE

Environment Specifications

- Storage: -20°C to +70°C, 30% to 80% rel. humidity (non-condensing)
- Operating: -0°C to +50°C, 10% to 95% rel. humidity (non-condensing)

ROHs

- Compliant with EN 2002/95/EU

Power Consumption

- @ +3.3V / VCC max. 2.3 W
- @ 3.3V (aux): max 375 mA

Dimension

- 86.36 mm x 55.32 mm

Weight

- Weight : Unit 64 g; Packet 148 g

Warranty

- 2 years

Green Feature

- Advanced Power Management

Order numbers

- 100-000-100-102

www.s2konnect.com