Realtime Multimedia Ethernet Switch

The Multimedia Switch is the backbone of the home network, and is the product that makes it possible to deliver advanced broadband services to more than one home appliance. It allows the broadband to deliver several streaming media and multicast signals simultaneously and uninterrupted.

This switch has 8 RJ-45 ethernet ports whereof one is uplink. The Multimedia Switch has been designed to be a cost-effective solution for the home market without the need for expensive hardware.

The switch supports Quality of Service, a crucial technology that secures sufficient bandwidth for each individual service. QoS allows the broadband network to deliver streaming media like Voice over IP, movies, music and other realtime media without interruptions. The switch is able to prioritise ports for high bandwidth streaming media to let you watch your favorite program while your wife is talking over the IP-telephone.

Additionally it has a multicast filter to handle multicast traffic more efficiently to the devices which have requested for that particular stream (IGMP-snooping).

So if you thought your personal computer was the central media terminal in your home, think again! With this switch you can connect several personal computers at the same time plus more broadband equipment like a Music-BLOKK, a TV-BOKKS and a IP-telephone. You will be able to videochat, e-mail, watch Videos on Demand, do Games on Demand and listen to your favorite music. All this at the same time!

Without Quality of Service a video-on-demand film could be interrupted if someone else in the family started using other broadband services and home appliances. To ensure QoS, the multimedia switch has prioritized ports for different kinds of services and it has the necessary Layer Three software to handle IGMP-snooping for Quality of Service in multicasting.

- Dimensions: 220 x 145 x 28 (W, H, D)
- SNMP: (optional)
- 8 STP ports
- Multicast snooping (IGMP) for IP-TV over Broadband Network
- External 9V Power Supply
- Priority of ports for Voice-over-IP, Video-on-Demand and IP-TV, etc.
- Compatible with Ethernet, TCP/IP
- QoS priority techniques; physical ports, 802.1p (optional),TOS/DiffServ (optional)
- VLAN 802.1Q (optional)
- Auto negotiation, half/full duplex, 10/100 mbit/s
- One fiberport as MT-RJ or VF-45 (optional)

The Multimedia Switch will be available in two versions; a manageable and a non-manageable version, i.e. with or without SNMP support. The non-manageable version will be available from autumn 2001. The SNMP version is planned for release in the first quarter of 2002.