YAMAHA

Yamaha Network Products Case Study
Retail Store Chain

Reasons for Choosing Yamaha

- **Optical lines and mobile data communication support**
- **High reliability**

Prior Issues

- This retail chain consisted of 28 stores that were using two independent networks for communication of different types of data: a MPLS-VPN (64kbps), and an ADSL Internet VPN.

- The MPLS-VPN used for credit card transactions and discount/point card management did not have sufficient bandwidth and was becoming a bottleneck.

- The Internet VPN used for POS data was also a problem because of frequent communication line trouble and insufficient speed.

Deciding Factors

- The plan was to implement optical lines at all stores and integrate the entire network in order to solve the bandwidth problem.

- An ADSL line supplied by another telecom carrier would provide backup. A high-speed mobile data communication service would be used as backup in areas without ADSL service.

- Support for both Gigabit Ethernet lines (GbE) and USB 3G modems was a factor in choosing Yamaha network products for this system.

Results

- High speed communication has dramatically reduced processing times (batch processing of discount/point cards was reduced from 1.5 hours to 2 minutes, for example).

- Redundancy has resulted in significantly increased network reliability and reduced downtime.

NETWORK CONFIGURATION

HEADQUARTERS

SERVER

SWITCH

MAIN LINE

BACKUP LINE

FLET'S VPN
(VPN service by NTT)

INTERNET VPN

ADSL SERVICE

MOBILE DATA COMMUNICATION SERVICE

FTTH

RETAIL STORES

INSTALLED PRODUCTS

RTX1200