

High availability and high connectivity in Stockholm



STOCKHOLMS STADSNÄT

EXECUTIVE SUMMARY

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|------------------------|--|
| Customer | Stockholms Stadsnät |
| Industry | Internet Service Provider |
| Location | Sweden |
| Challenge | Maintain customer loyalty with high availability and high speed |
| Solution | DGS-3120 – 1250pcs DGS-3130 – 200pcs DGS-3420 – 70pcs DXS-1210 – 20pcs DXS-3600 – 10pcs DXS-5000 – 6pcs |
| Project Revenue | €1,400,000 |

“We have been using D-Link as the main supplier since 2012, and they have always delivered excellent service with local presence.”

Stefan Westerberg - CTO & Owner Stockholms Stadsnät

Challenge

Stockholms Stadsnät provide Internet, IPTV and IP telephony services through their fibre network. Their main objective is to offer stable, fast and scalable services to corporate and private customers in the greater Stockholm area.

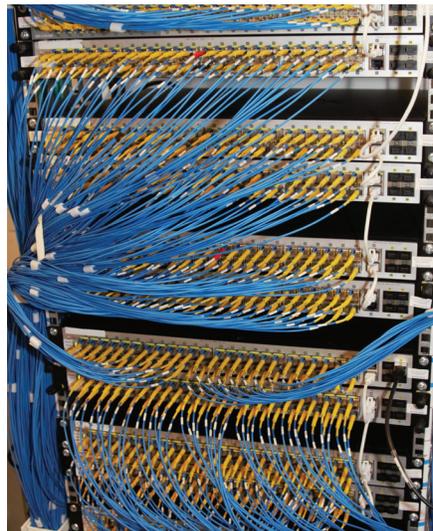
Stockholms Stadsnät’s main challenges include delivering the capacity purchased by each of their customers, usually 1/1 Gbps to corporations and households, and to maintain high service availability. In order to achieve this, they need a future-proof technical solution for tomorrow’s digital infrastructure, plus invested long-term partners that support their business.

Solution

Stockholms Stadsnät have realised that fibre networks are the only solution that can meet future requirements, which is why their services are created based on this technology. Using fibre technology raises the value of buildings, venues and apartments, and also provides the capacity and uptime required by today’s markets. Customers can rest assured that their network is certified to handle all Internet, IPTV and IP telephony services.

D-Link has delivered sustainable infrastructure

solutions to Stockholms Stadsnät for several years now, including access switches and core switches for their fibre network. D-Link’s switches deliver a robust, reliable and very secure infrastructure



for their customers. They are easily scalable and expandable, and can handle all requirements posed by modern service providers—both today and in the future.

Products

- **The DGS-3120 Series** are used as access switches. They are very secure and can handle basic functions such as DHCP

Snooping, QinQ, port isolation, VLAN, IPv6, IMPB etc. They support both copper and fibre connections with speeds up to 1 Gbps. The uplink speed is 10 Gbps.

- **The DGS-3130 Series** are the next generation of access switches, which are now being installed in networks. They include the same functionality found in the DGS-3120 series, plus added capacity in order to meet future requirements. The uplink speed is 10 Gbps.
- **The DXS-3600 Series** are used as 10 Gbps core switches and as connectors for all access switches. These switches have the capacity to handle high user workloads without compromising security. They are installed in a redundant ring for maximum availability.
- **The DXS-5000 Series** are new high performing switches with a large number of 10 Gbps ports. These switches function as core switches and are successors to the DXS-3600 series.
- **The DGS-3420 Series** are mainly used as distributions and access switches when the fibre network requires capacity increases. These switches have an uplink speed of 40 Gbps.
- **The DXS-1210 Series** are new switches that can be used to connect end-users with a 10 Gbps connection. They are used together with the DGS-3130 series for end-user functionality.