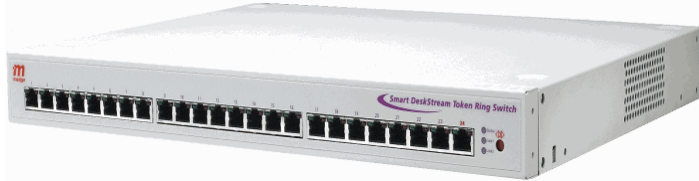


Product Data Sheet

Smart DeskStream

Token Ring Switch

Part Number – 58-30



Key Features

- ❑ Easy integration
- ❑ Value and performance
- ❑ Boosts productivity
- ❑ Reduces costs
- ❑ Protects investment
- ❑ Minimizes disruption
- ❑ Enhances security
- ❑ Simplifies management
- ❑ Removed complexity
- ❑ Reduces risks

Overview

Full compatibility with traditional shared hubs makes the Madge Smart DeskStream™ a simple, low-risk solution for enhancing any Token Ring workgroup, delivering high-performance switching at the lowest possible price.

Desktop Switching

Until now, users have only had shared access to a 4 or 16 Mbps ring. The Smart DeskStream changes this, making desktop switching a realistic and affordable alternative.

Now every user can have a dedicated 16 Mbps full-duplex connection and low-latency access to a high-speed backbone, with additional benefits that include:

- Enhanced resilience – minimizes scope of disruption from cabling faults
- Improved security – eliminates threat of promiscuous ‘snooping’
- Investment protection – prepares the workgroup for the bandwidth and quality-of-service demands of emerging applications

Smart DeskStream

The Smart DeskStream combines advanced functionality with exceptional performance, flexibility and ease of use to provide affordable desktop switching that leverages existing investment in Token Ring. Key features include:

- Powerful, scalable connectivity
- Easy integration into existing networks
- Sophisticated management capabilities

Powerful, Scalable Connectivity

The Smart DeskStream employs low-latency switching and traffic prioritization to deliver wire-speed bandwidth to every desk, while the highly-scalable stacking architecture offers simple expansion up to 200+ ports.

For high-speed backbone connectivity, 100 Mbps Token Ring and 155 Mbps ATM option modules are available, while the integration of Ethernet devices is supported with a fast, layer-2 translational switching 10/100 Mbps Ethernet option module.

Easy Integration into Existing Networks

With auto-speed and auto-media sensing ports and support for various forwarding techniques, the Smart DeskStream can replace shared hubs without re-configuring the network. Gradual migration is facilitated through a provision for connecting shared hubs and a fiber option module for connection to fiber trunks.

Sophisticated Management Capabilities

Powerful RMON (Remote MONitoring) and port mirroring support are built into the Smart DeskStream, along with a number of performance management, fault diagnosis and security features.

Boosts Productivity

The Smart DeskStream gives every user a dedicated 16 Mbps, full-duplex connection and low-latency access to a high-speed backbone. As a result, users will see significantly improved response times and throughput, thus boosting their productivity.

Reduces Costs

The Smart DeskStream offers a reduced cost-of-ownership in comparison to shared hubs. Higher productivity, fewer disruptions, powerful management capabilities, flexible connectivity and unbeatable investment protection all help the IT Manager to provide a better service at reduced cost.

Protects Your Investment

The Smart DeskStream unlocks the full performance potential of your adapters for the first time! Furthermore, the switch integrates easily with your existing network environment, whether complementing or replacing your existing shared hubs, and requires no other equipment upgrades.

Minimizes Disruptions

Eliminating shared rings reduces the potential for minor faults that can affect a whole group of users, while redundant backbone connections can be used for additional resilience. If a problem does arise, powerful management and built-in RMON functionality are available to help localize the problem to a particular link with minimal disruption.

Enhances Security

With the provision of dedicated connections, the risk of promiscuous data "snooping" that can occur on shared rings is avoided. The Smart DeskStream also offers additional features to restrict network access to users with trusted MAC addresses for additional security.

Eliminates Installation Worries

The Smart DeskStream couldn't be easier to install. With automatic sensing of speed and cable type on every port, and the use of Source Route Switching technology no configuration of the switch or clients is usually necessary. Remaining hubs are easily accommodated via a special port on the switch

Simplifies Management

The graphical management software supplied free with the Smart DeskStream is intuitive to use, and provides access to the advanced features of the switch, such as RMON, port mirroring, port security, and source route and spanning tree configuration. When a number of switches are stacked together, they perform as a single logical switch in order to simplify management.

Removes Complexity

Provides dedicated, high-performance connections to every user with inherent simplicity and reliability. The Smart DeskStream also supports resilient, high-speed backbone connectivity using 100 Mbps Token Ring, Ethernet or even ATM. By providing a total workgroup solution within a single device, unnecessary complexity is removed from the network.

Saves Risk

Offering compatibility, simple installation, enhanced resilience and security, powerful management capabilities, and ample performance to cope with future applications, the Smart DeskStream is both an easily affordable and a safe investment.

Prepares for the Future

With excellent scalability and ample bandwidth to cope with growing client application demands, combined with the efficiency of large Token Ring frames and built-in support for traffic prioritization, the ever-flexible Smart DeskStream is sure to keep pace with your needs.

Ordering Information

58-30	Smart DeskStream Token Ring Switch
58-37	Smart DeskStream Stacking Module
58-34	Smart DeskStream 4/16 Mbps Token Ring Fiber Module
58-35	Smart DeskStream 100 Mbps Token Ring Copper Module
58-36	Smart DeskStream 100 Mbps Token Ring Fiber Module
58-39	Smart DeskStream 10/100 Mbps Ethernet Module
58-38	Smart DeskStream 155 Mbps ATM Module
87-18	Smart DeskStream Software

For more information on Madge Networks Token Ring or Wireless products visit www.madge.com