

# Ribbon Manager

## Unified Management



### Managing the Network with Ribbon Manager

Ribbon Manager is the one-stop shop for the management of Ribbon's fixed network elements and provides fault, performance and configuration management as well as a central security service for authentication and authorization.

Ribbon Manager is built on top of Ribbon's unique leading-edge middleware, and provides ONE standard method to manage all regular maintenance activities across all the Fixed network elements (fault handling, patches, upgrades, backup/restore, etc.) from a unified set of graphical user interfaces that have a familiar look and feel and require less training, less time to use and less operational costs.

Ribbon Manager provides enhanced network security by utilizing secure protocols for information exchange and a central security architecture for user and permission management. Ribbon Manager's hardware flexibility allows it to reside on a blade in the Ribbon's ATCA Platform, or in a standalone Rack Mount Server, managed from a different location within the service provider's network.

Ribbon Manager can be deployed in a tiered architecture, providing aggregation of Ribbon network elements for scale purposes to meet larger network requirements.

### Simplified Management Reduces Operational Costs

Ribbon Manager simplifies the architecture of the management network reducing the maintenance costs. Ribbon Manager integrates seamlessly into the existing back-office. Additionally, Ribbon Manager uses familiar web GUIs that reduce the cost of training staff and facilitate a faster resolution of network issues.

### Reduce/Increase Consolidation

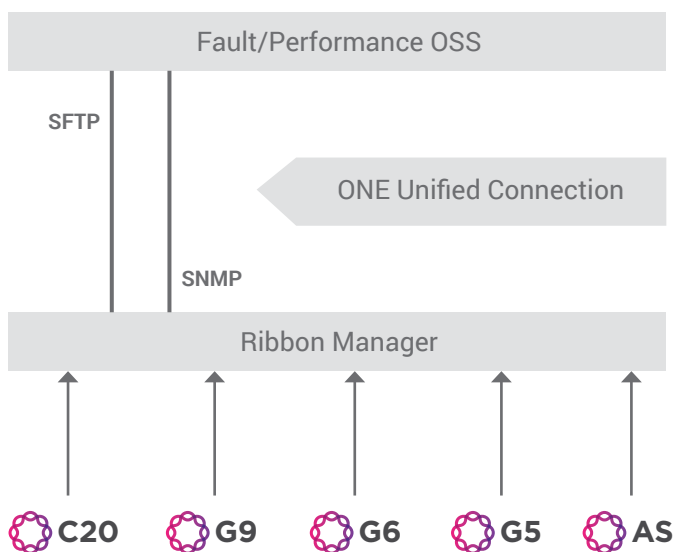
Ribbon Manager accelerates the resolution of network problems, increasing the perceived quality of experience of the network users, reducing churn and enhancing the service provider's reliability.

### Hardware Flexibility

Ribbon Manager can be deployed in an ATCA blade or in a standalone Rack Mountable Server to better suit the needs of service providers.

### Flexible Deployment Options

Ribbon Manager can be deployed in the network operations center, in the central office, as an aggregated solution management system or for direct network element management. It can be adapted to the needs of the service provider.



## Standards Based and Secure

Ribbon Manager uses standard interfaces to the OSS as well as secure protocols and single sign-on to ensure a seamless and solid operation of the network.

## Ribbon Manager Capabilities

Ribbon Manager delivers the capabilities required for operations/craft-persons to manage the network elements and applications and also provides the necessary interfaces to view and manage the network elements' faults, performance data, security, and system configurations.

The main capabilities of Ribbon Manager are:

### Fault Management:

- Standard aggregated northbound OSS interfaces
- Aggregated fault view with context-sensitive online help
- Graphical shelf level fault view

### Performance Management:

- Graphing / thresholding at network element and application level
- Configurable custom reports and threshold crossing alerts
- Aggregated northbound OSS interface

### Configuration Management:

- Common system management: upgrades, patching, backup/restore, application management, high availability

### Authentication, Authorization and Auditing (AAA):

- Single sign-on ready
- External AAA integration
- Simplified user and group management
- Per element auditing

## Ribbon Manager Benefits

### Flexible Solution

- Flexible deployments (NOC, CO, aggregation, etc.)

### Cost Optimization

- Reduced maintenance cost
- Reduced training cost

### Enhanced Network Quality

- Accelerate the resolution of network problems
- Increased perceived quality of experience reduces churn

### Powerful and Reliable

- Single system handles data from different network elements
- Geographically redundant configurations
- Standard interfaces to OSS, secure protocols and single sign on

**Contact Us**



We are here to help. Let us know if you are interested in a quote or if you have any questions.