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## CEP Management (Option)

**IP•Tube CEPs** isolate management and data plane functionality with the use of two separate processor modules. Management processor access is limited to SSHv2 or SNMPv3 encrypted sessions that employ AES 256 bit keys and sophisticated NIST passwords. These sessions may be established after authentication via TACACS+ or Radius.

The independent Linux based management plane of the **IP•Tube CEP** ensures Critical Infrastructure Data is isolated from management network access. The Management Module uses internal serial ports to connect to the Data Plane processor.

Administration and User Logs are available with **Syslog**.

CEP management security features include:

- Administrative policies for adding, removing, disabling and renaming authorized users; limiting user access to assigned commands; and enabling only desired port numbers.
- User authentication directly or in conjunction with **TACACS+** or **RADIUS** servers including **RSA SecureID** support for two factor trusted compliance.
- An SSHv2 command interface encrypting management traffic with powerful 256 bit symmetric keys and based passwords.
- Support of the **SNMPv3** protocol for secure connectivity to SNMP element managers.
- In addition, administrative accounting data can be reported to syslog servers with accurate timestamps provided by an **NTP** source.