DYMEC
AMERICAN INDUSTRIAL





KY-3000EMD Features and Benefits

Hardware

- **The 3000 has 3 Gigabit Ports instead of 2**
- 7 - Fast Ethernet ports (10/100BaseTX) RJ-45
- **1 - Gigabit Ethernet port (10/100BaseTX) RJ-45**
- 2 - Gigabit Ethernet SFP Slots (10/100BaseX)
- **Long haul optics allow Gigabit distances up to 140km**
- **Supports Multi-mode, Single-mode & Bi-Directional**
- **Full DDMI - Fiber Diagnostics & Remote Temperature**

Cyber Security Features

- **Muti-level user passwords with CryptoLock**
- **SSH/SSL/SFTP (256-bit encryption)**
- **Enable/disable ports, MAC / IP based port security**
- Port based network access control (802.1x)
- VLAN (802.1Q) to segregate and secure network traffic
- RADIUS centralized password management
- SNMPv3 authentication and 56-bit encryption
- **Extended Special Character Set for SNMP / RMON**
  - **Cisco Compatible**
  - **Meets NIST Standards**
  - **Suppotrs SHA-1 / 2 (sha512)**
  - **NSA Coding Guidelines**
  - Exceeds NEMA TS-2 (traffic control equipment)
- **Clean Code Technology - Coding Security**
- **CyberSecure Video - Security**
- **Military Grade Lightweight Structural Casing**

Secure Linux Operating System Features

- **High Speed Non-Blocking - Silicon Based**
  - used for increased data flows and security
- **NIST Conformace Encryption Standards**
- **NSA Coding Algorithms**
  - eliminates Bots & Hacking of switch OS
- **SFTP with Advanced Encryption bits**
- **Hardened Kernel**
- **Pointer Obfuscation**
- **Synchronized Security**
- **SELinux - Support for Access Control (DoD)**
- NSA / CSS Compliant

Basic Differences with Siemens

- Siemens uses 5 Times the Wattage 32W vs 6W
- More Wattage Equals More Heat - More Cost / Shorter Life
- DYMEC product is Sealed - No Holes - True IP40
- DYMEC is half the cost - twice the performance
- DYMEC Eagle D™ -Full Wire Speed All Ports - All Services
- DYMEC Eagle D™ Saves 80% on OPEX Expenses
- DYMEC Eagle D™ Has KY-DONGLE / Flash Data BackUp
- DYMEC KY-DONGLE - EASY Maintenance
- DYMEC KY-DONGLE - Fast Mass Deployment of Switches
- DYMEC Eagle D™ Has NO AC POWER SUPPLY
  - Better Security - AC Power is a known Security Vector
  - AC produces more heat - Shortens Component Lifetime
  - AC induced noise can inject erros into digital systems