



IP Multiplexer / TDM over IP / Ethernet / Packet

E1oP / E3oP Version

| IP Multiplexer / TDM Over IP / Ethernet / Packet Products Comparison Chart (E1oP and E3oP) | | | | | | | |
|--|--------------------|--------------------|--------------------|--------------------|---------------------|---------------------|------------------|
| Models:- Specifications:- | 2 E1 FE Version | 4 E1 FE Version | 2 E1 GE Version | 8 E1 GE Version | 16 E1 GE Version | 32 E1 GE Version | E3 GE Version |
| Number of TDM Ports (E1 / E3) | 2 | 4 | 2 | 8 | 16 | 32 | 1 |
| Max. Number of Logical Links | 24 | 24 | 64 | 64 | 256 | 256 | 1 |
| Gigabit Ethernet Speed (10/100/1000M) | - | - | ✓ | ✓ | ✓ | ✓ | ✓ |
| Number of Gigabit Ethernet Electrical (10/100/1000Base-T) Ports | - | - | 2 | 2 | 4 | 4 | 2 |
| Number of Gigabit Ethernet Optical (1000BaseSX / 1000BaseLX) Ports - SFP based | - | - | 2 | 2 | 4 | 4 | 2 |
| Number of UTP 10/100BaseT (RJ45) Ethernet Ports | 4 | 4 | - | - | - | - | - |
| Number of 100Base-FX Optical Ethernet Ports - SFP Based | 2 | 2 | - | - | - | - | - |
| Ethernet Speed (10/100M) | ✓ | ✓ | - | - | - | - | - |
| 1+1 Ethernet Link Redundancy | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Ethernet Port Trunking | - | - | ✓ | ✓ | ✓ | ✓ | ✓ |
| Rapid Spanning Tree Protocol | - | - | ✓ | ✓ | ✓ | ✓ | ✓ |
| IEEE 1588 V2 Time-of-Day Synchronization | - | - | - | - | - | - | - |
| Compliant with IEEE C37.238-2011 Power Profile | - | - | - | - | - | - | - |
| Power over Ethernet (PoE) | ✓ | ✓ | - | - | - | - | - |
| Number of PoE Ethernet ports | 2 | 2 | - | - | - | - | - |
| Meets and exceeds the Telcordia GR-1089-CORE Lightning and Power Contact protection requirements | - | - | - | - | - | - | - |
| MPLS | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| MEF8 (Metro Ethernet) | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| CESoPSN (fractional E1) | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | - |
| PWE3 (pseudo-wire) | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| SAToP | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Point-to-point applications | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Point-to-Multipoint and Drop-Insert applications | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | - |
| AC Power (110-240 AC) PSU | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| DC Power (-48V) PSU | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| DC Power (-24V) PSU | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 1+1 Redundant Power Supply (AC+AC or DC+DC or AC+DC) | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| User Configurable Payload Size | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| User Configurable Jitter Buffer Size | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Jitter Buffer Size to accommodate Packet Delay Variation (512ms) | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Adaptive Clock | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Loop-Timed Clock | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| External Clock - Station Clock or GPS Clock | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |

| Models:- Specifications:- | 2 E1 FE Version | 4 E1 FE Version | 2 E1 GE Version | 8 E1 GE Version | 16 E1 GE Version | 32 E1 GE Version | E3 GE Version |
|--|--------------------|--------------------|--------------------|--------------------|---------------------|---------------------|------------------|
| Plesiochronous Clock | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Synchronous Ethernet IEEE 1588v2 Clock | - | - | - | - | - | - | - |
| Asymmetrical Clocking (One-Clock / Two-Clock) | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | - |
| Internal Clock | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| TCXO Oscillator Option | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | - |
| OEXO Oscillator Option | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Double VLAN Handling (Q in Q / Stacked VLAN) - 802.1Q | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| QoS Priority (802.1p and DSCP) | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Port Based Priority | - | - | ✓ | ✓ | ✓ | ✓ | ✓ |
| Ethernet Port Rate Limiting | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Ethernet Jumbo Frame Size upto 9000 Bytes | - | - | ✓ | ✓ | ✓ | ✓ | ✓ |
| Event Logging | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Real Time Clock | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| External Alarm Relay | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Clock Performance Alarms | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Network Performance Alarms | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Network Performance and Diagnostics | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| SNMP Management and Traps (TDM, Ethernet, Power Supply and Temperature Threshold Traps) | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Telnet | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| RS232 Serial Port | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| USB Serial Port | - | - | ✓ | ✓ | ✓ | ✓ | ✓ |
| Remotely upgradable through TFTP server | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Network Management System (Windows Based GUI) | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Visual (LED) Alarm Indicators: E1 alarms, Ethernet Speed and Mode, Adaptive, Rclock, External Clock and Power Supply | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| EMI/EMC Compliant | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Meets ETS 300 019-1-3: Class 3.2 environmental requirements | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Extended Temperature Range (-20°C to +60°C) | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| CE | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| RoHS | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 19 Inch Rack Mount | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| RFC Compliance | | | | | | | |
| RFC 5086 – CESoPSN - 12/2007 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | - |
| RFC 5087 – TDM over IP - 12/2007 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | - |
| RFC 4553 – SAToP - 06/2006 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | - |

Technical specifications are subject to changes without notice.

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