



IP Multiplexer / TDM over IP / Ethernet / Packet Products

T1oP and DS3oP / T3oP Version

IP Multiplexer / TDM Over IP / Ethernet / Packet Products Comparison Chart (T1oP and DS3oP / T3oP)									
Models:- Specifications:-	2 T1 FE Version	4 T1 FE Version	2 T1 GE Version	2 T1, IEEE- 1588v2, GE Version	8 T1 GE Version	8 T1, IEEE- 1588v2, GE Version	16 T1 GE Version	32 T1 GE Version	DS3 GE Version
Number of TDM Ports (T1 / DS3)	2	4	2	2	8	8	16	32	1
Max. Number of Logical Links (Bundles)	24	24	64	64	64	64	256	256	1
Gigabit Ethernet Speed (10/100/1000M)	-	-	✓	✓	✓	✓	✓	✓	✓
Number of Gigabit Ethernet Electrical (10/100/1000Base-T) Ports	-	-	2	4	2	4	4	4	2
Number of Gigabit Ethernet Optical (1000BaseSX / 1000BaseLX) Ports - SFP based	-	-	2	4	2	4	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 T1)	✓	✓	✓	✓	✓	✓	✓	✓	-
PWE3 (pseudo-wire)	✓	✓	✓	✓	✓	✓	✓	✓	✓
SAToP	✓	✓	✓	✓	✓	✓	✓	✓	✓
Point-to-point applications	✓	✓	✓	✓	✓	✓	✓	✓	✓
Point-to-Multipoint and Drop-Insert applications	✓	✓	✓	✓	✓	✓	✓	✓	-
RFC 5086 – TDMoIP RFC Support	✓	✓	✓	✓	✓	✓	✓	✓	-
RFC 5087 – TDMoIP RFC Support	✓	✓	✓	✓	✓	✓	✓	✓	✓
RFC 4553 – TDMoIP RFC Support	✓	✓	✓	✓	✓	✓	✓	✓	✓
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	✓	✓	✓	✓	✓	✓	✓	✓	✓

Models:- Specifications:-	2 T1 FE Version	4 T1 FE Version	2 T1 GE Version	2 T1, IEEE- 1588v2, GE Version	8 T1 GE Version	8 T1, IEEE- 1588v2, GE Version	16 T1 GE Version	32 T1 GE Version	DS3 GE Version
Loop-Timed Clock	✓	✓	✓	✓	✓	✓	✓	✓	✓
External Clock - Station Clock or GPS Clock	✓	✓	✓	✓	✓	✓	✓	✓	✓
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)	✓	✓	✓	✓	✓	✓	✓	✓	✓
User Configurable Temperature Threshold	✓	✓	✓	✓	✓	✓	✓	✓	✓
Telnet - Inband Management	✓	✓	✓	✓	✓	✓	✓	✓	✓
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.

Revision 2.4 – April 11, 2016

U.K.

Valiant Communications (UK) Ltd
1, Acton Hill Mews,
310-328 Uxbridge Road,
London W3 9QN
United Kingdom
E-mail: gb@valiantcom.com

U.S.A.

Valcomm Technologies Inc.
4000 Ponce de Leon,
Suite 470
Coral Gables, FL 33146
U.S.A.
E-mail: us@valiantcom.com

INDIA

Valiant Communications Limited
71/1, Shivaji Marg,
New Delhi - 110015,
India
E-mail: mail@valiantcom.com