



VIAVI T-BERD®/MTS-5800 Series

Configurations*

Unit	Ethernet					SONET/SDH			PDH			OTN				
	10, 100, 1000 Mbps Electrical and 1 G Optical Ethernet (C510MTGE)	10GE LAN (C510GELAN) 10GE WAN (C510GEWAN)	25GE (C525GE)	40 GE (C540GE)	100GE (C5100GE)	OC-3, OC-12, STM-1, and STM-4 (C5LSSONSDH)	OC-48 and STM-16 (C525GSONSDH)	OC-192 and STM-64 (C510GSONSDH)	DS1 and E1 (C5E1DS1)	DS3 and STS-1e (C5DS3STS1)	E3, E4, and STM-1e (C5E3E4STM1E)	OTU1 (C5OTU1)	OTU2 (C5OTU2)	OTU2e (C5OTU2E)	OTU3 (C5OTU3)	OTU4 (C5OTU4)
T-BERD/MTS-5811P	■	■				■	■	■	■	■	■					
T-BERD/MTS-5822P	■	■				■	■	■	■	■	■	■	■	■		
T-BERD/MTS-5800-100G	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■

Unit	Fiber Channel					Optical Line Rate Testing	CPRI							OBSAI				Dual-Port Option					
	1, 2, and 4 GFC (C51G2G4GFC)	8GFC (C58GFC)	10GFC (C510GFC)	16G FC (C516GFC)	32G FC (C532GFC)	3.072 Gbps (C5LSL131G)	9.8 Gbps (C5HSL198G)	614 Mbps (C5614MCPRI)	1.2 Gbps (C512GCPRI)	2.4 Gbps (C524GCPRI)	3.072 Gbps (C53GCPRI)	4.9 Gbps (C549GCPRI)	6.1 Gbps (C561GCPRI)	9.8 Gbps (C598GCPRI)	10.1 Gbps (C510GCPRI)	768 Mbps (C5768MOBSAI)	1.5 Gbps (C515GOBSAI)	3.072 Gbps (C53GOBSAI)	6.1G OBSAI (C561GOBSAI)	Low Speed Rates (C5DUALPORT)	10 G Rates (C5DUAL10G)	40 G Rates (C5DUAL100G)	100 G Rates (C5DUAL100G)
T-BERD/MTS-5811P	■	■	■	■		■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
T-BERD/MTS-5822P	■	■	■	■		■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
T-BERD/MTS-5800-100G	■	■	■	■	■	■	■	■	■	■	■	■	■	■					■	■	■	■	■

Purple squares (■) indicate that an item can be purchased permanently or as 30-day timed option. To purchase for 30 days only, add the suffix '-T30' to the product part number.

*For field upgrades (which are available for all configurations), add '-U1' to the product part number.

Ethernet Interfaces

Tests	10, 100, 1000 Mbps Electrical and 1 G Optical (C510M1GE)		10 GE LAN Electrical and Optical (C510GELAN)		10 GE WAN (C510GEWAN)		25 GE (C525GE)		40 GE (C540GE)		100GE (C5100GE)	
	Standard	Optional	Standard	Optional	Standard	Optional	Standard	Optional	Standard	Optional	Standard	Optional
Baseline												
L1 BERT	■		■		■		■		■		■	
L2 BERT	■		■		■		■		■		■	
Service Activation												
QuickCheck™	■		■		■		■		■		■	
Enhanced RFC 2544	■		■		■		■		■		■	
J-Connect	■		■		■		■		■		■	
Multiple streams/CoS SAMComplete™ Y.1564 with CBS		■ (C5COS)		■ (C5COS)				■ (C5COS)		■ (C5COS)		■ (C5COS)
J-Proof Layer 2 transparency		■ (C5J PROOF)		■ (C5J PROOF)				■ (C5J PROOF)		■ (C5J PROOF)		■ (C5J PROOF)
Wirespeed Layer 4 TCP/UDP TrueSpeed™ and TrueSAM™ (separate options for 1 G and 10 G interfaces)		■ (C5LS LAYER4)		■ (C510G LAYER4)								
Fault Isolation												
J-Profiler Top Talker 10 Mbps to 1 G		■ (C5LSJ PROFILER)										
Packet Capture and J-Mentor		■ (C5LS CAPTURE)		■ (C510G CAPTURE)		■ (C510G CAPTURE)				■ (C5100G CAPTURE)		■ (C5100G CAPTURE)
Application Testing												
VoIP, including SIP and H.323		■ (C5VOIP)		■ (C5VOIP)								
IP video		■ (C5IP VIDEO)		■ (C5IP VIDEO)								
MSTV		■ (C5MSTV)		■ (C5MSTV)								
MDI		■ (C5MDI)		■ (C5MDI)								
Synchronization and Timing												
One-way delay		■ (C5OWD)		■ (C5OWD)		■ (C5OWD)						
Optical Sync-E (separate options for 1 GE and 10 GE interfaces)		■ (C5LSSYNCE)		■ (C510GESYNCE)								
PTP IEEE 1588 v2 with PTP Check 10 Mbps to 1 G		■ (C5LS1588)		■ (C510G1588)								
Optical Gigabit Ethernet Wander*		■ (C5LSETH WANDER)										
Network Configuration												
IPv4	■		■		■							
IPv6		■ (C5IPV6)		■ (C5IPV6)		■ (C5IPV6)		■ (C5IPV6)		■ (C5IPV6)		■ (C5IPV6)
VLAN and VLAN stacking (Q-in-Q)	■		■		■							
MAC-in-MAC (PBB)		■ (C5MACINMAC)		■ (C5MACINMAC)								
Ethernet over Ethernet				■ (C5EOE)								
MPLS-TP and OAM		■ (C5MPLSTP)		■ (C5MPLSTP)								
MPLS/VPLS		■ (C5MPL SVPLS)		■ (C5MPL SVPLS)		■ (C5MPL SVPLS)		■ (C5MPL SVPLS)		■ (C5MPL SVPLS)		■ (C5MPL SVPLS)
Ethernet OAM		■ (C5ETHSOAM)		■ (C5ETHSOAM)								

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* Only available on T-BERD/MTS-5822P, T-BERD/MTS-5811PL, and T-BERD/MTS-5811P.Ethernet Interfaces

2 T-BERD/MTS-5800 Series Configurations

SONET/SDH and OTN Interfaces

Tests	OC-3, OC-12, STM-1, and STM-4 (C5LSSONSDH)		OC-48 and STM-16 (C525GSONSDH)		OC-192 and STM-64 (C510GSONSDH)		OTU1 2.7 Gbps (C5OTU1)		OTU2 10.7 Gbps (C5OTU2)		OTU1e 11.05 Gbps (C5OTU2E)		OTU2e 11.1 Gbps (C5OTU2E)		OTU3 43.01 Gbps (C5OTU3)		OTU4 112 Gbps (C5OTU4)	
	Standard	Optional	Standard	Optional	Standard	Optional	Standard	Optional	Standard	Optional	Standard	Optional	Standard	Optional	Standard	Optional	Standard	Optional
L1 BERT and OTN Check	■		■		■		■		■		■		■		■		■	
L2 BERT											■**		■**		■		■	
J-Scan	■		■		■													
Enhanced RFC 2544													■		■		■	
SONET/SDH Client									■									
ODU3 Multiplexing with L1 BERT																		■ (C5O DU3)
ODU2 and ODU2e Multiplexing with L1, L2, & L3 BERT									■						■ (C5O DU2)		■ (C5O DU2)	
ODU1 Multiplexing with L1 BERT										■ (C5O DU1)					■ (C5O DU1)		■ (C5O DU1)	
ODU0 Multiplexing with L1, L2, & L3 BERT							■ (C5O DU0)								■ (C5O DU0)		■ (C5O DU0)	
ODUFlex Multiplexing with L1 & L2 BERT									■ (C5O DUFLEX)						■ (C5O DUFLEX)		■ (C5O DUFLEX)	

Timing Analysis

Tests	1 PPS, 2 MHz, and 10 MHz	DS1 and E1	1 G Optical Ethernet
Wander Analysis	■* (C5TIMING)	■* (C5E1DS1, C5PDHWND)	■* (C510M1GE, C5LSETHWANDER)

Fibre Channel Interfaces

Tests	1, 2, and 4 G Fibre Channel (C51G2G4GFC)		8 G Fibre Channel (C58GFC)		10 G Fibre Channel (C510GFC)		16 G Fibre Channel (C516GFC)		32G Fibre Channel (C532GFC)	
	Standard	Optional	Standard	Optional	Standard	Optional	Standard	Optional	Standard	Optional
BERT	■		■		■		■		■	
Enhanced RFC 2544	■		■		■		■		■	

PDH Interfaces

Tests	DS1 and E1 (C5E1DS1)		DS3 and STS-1e (C5DS3STS1)		E3, E4, and STM-1e (C5E3E4STM1E)	
	Standard	Optional	Standard	Optional	Standard	Optional
L1 BERT	■		■		■	
DS1 and E1 PRI	■					
PDH Jitter		■ (C5ELECJIT)		■** (C5ELECJIT)		■** (C5ELECJIT)
PDH Wander*		■ (C5PDHWND)				
HDLC Monitor (DS1, DS3 only)		■ (C5DS1DS3HDLC)		■ (C5DS1DS3HDLC)		
DS1 PPP Ping		■ (C5DS1DS3HDLC)				
HDLC Capture		■ (C5HDLCCAPTURE)				

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Optical Line Rate Testing Interfaces

Tests	3.072 Gbps (C5LSL131G)				9.8 Gbps (C5HSL198G)			
	Standard		Optional		Standard		Optional	
Unframed BERT	■					■		

CPRI Interfaces

Tests	614 Mbps (C5614MCPRI)		1.2 Gbps (C512GCPRI)		2.4 Gbps (C524GCPRI)		3.072 Gbps (C53GCPRI)		4.9G Gbps (C549GCPRI)		6.1 Gbps (C561GCPRI)		9.8 Gbps (C598GCPRI)		10.1 Gbps (C510GCPRI)	
	Standard	Optional	Standard	Optional	Standard	Optional	Standard	Optional	Standard	Optional	Standard	Optional	Standard	Optional	Standard	Optional
L2 BERT	■		■		■		■		■		■		■		■	
CPRI Check	■		■		■		■		■		■		■		■	
Alcatel-Lucent remote radio head testing		■ (C5RRHA)		■ (C5RRHA)		■ (C5RRHA)		■ (C5RRHA)		■ (C5RRHA)		■ (C5RRHA)		■ (C5RRHA)		■ (C5RRHA)
Radio Frequency over CPRI testing		■ (C5RFO CPRI)		■ (C5RFO CPRI)		■ (C5RFO CPRI)		■ (C5RFO CPRI)		■ (C5RFO CPRI)		■ (C5RFO CPRI)		■ (C5RFO CPRI)		■ (C5RFO CPRI)

OBSAI Interfaces

Tests	768 Mbps (C5768MOBSAI)		1.5 Gbps (C515GOBSAI)		3.72 Gbps (C53GOBSAI)		6.1 Gbps (C561GOBSAI)	
	Standard	Optional	Standard	Optional	Standard	Optional	Standard	Optional
L1 BERT	■		■		■		■	
L2 BERT	■		■		■		■	

Test and Mainframe Options

Description	Part Number
VT-100	C5VT100
Bluetooth®	C5BT
WiFi option	C5WIFI
Command line remote test option	C5REMCTRL
PC application for rental optioning	C5RENTAL
Test automation scripting — third-party device management control	C5TAMSCRIPT
Ethernet loopback	C5ETHLPBK
Data services — enables use of HSPA and EV-DO dongles	C5MOBILITY
Monitor/Thru Loopback Port 2 Test Option	C5THRU-LB

OTDR Options

Description	Part Number
SmartLink Mapper (SLM) icon-based OTDR results	ESMARTLINK-5K
SLM FTTH user interface and cell-site algorithm	ESMARTFTTH-5K
SLM FTTA user interface and cell-site algorithm	ESMARTFTTA-5K

Expansion Modules

Description	Part Number
Timing expansion module with GPS and rubidium	C5TEM-R
Multimode 850/1300 nm OTDR module	E4123MM
Multimode/single-mode 850/1300/1310/1550 nm OTDR	E4146QUAD
LA 1550 nm OTDR module	E4115LA
Filtered LA 1650 nm OTDR module	E4118RLA65
LA 1310/1550 nm OTDR module	E4126LA
Metro/access 1310 1550 nm OTDR module	E4126MA
Metro/access 1310 1550 1625 nm OTDR module	E4136MA
Metro/access 1310 1550 and 1625F nm OTDR module	E4136RMA
Metro/access 1650F nm OTDR module	E4118RMA65
MP 1650F nm OTDR module	E4118RMP65
MP 1310/1550 nm OTDR module	E4126MP
MP 1310/1550/1625 nm OTDR module	E4136MP
MP 1310/1550/1625F nm OTDR module	E4136RMP
MP 1310/1550/1650F nm OTDR module	E4138RMP65
8 wavelength CWDM OTDR	E41CWDM8U
COSA-4055 CWDM analyzer with SFP bay	2301/02
METRO-PON 1310/1550 NM APC OTDR	E4126MP2-APC
METRO-PON 1310/1550 NM PC OTDR	E4126MP2-PC
Tunable DWDM APC OTDR	E41DWDMC-APC
Tunable DWDM PC OTDR	E41DWDMC-PC



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