

# T-BERD®/MTS-5800 Handheld Network Tester

## Ordering Information

The T-BERD/MTS-5800 is available in six different hardware configurations designed to meet all testing needs:

- Single- and dual-port Ethernet/SONET/SDH versions
- With or without TDM/PDH interfaces
- Fully loaded TDM/PDH to 10G Ethernet, SONET, and SDH



## 5800 Packages for North America

All packages include soft carry case, user manual, battery, power adaptor, and 3-year warranty. All packages with Ethernet include Layers 1, 2, and 3 (Ipv4) and multiple streams (CoS). All packages with 10GE include LAN & WAN. All packages with DS1 include DS0 & PRI ISDN. All dual port packages contain (1) set of SFPs. Additional SFPs must be purchased for dual optical testing.

### PDH & SONET Single Port Packages

TB5801P-DS3	TB5801P with DS1/DS3/STS1, Bantam and BNC cables
TB5801P-OC12	TB5801P with DS1/DS3/STS1 and OC3-12, Optics, Bantam, BNC and fiber patch cables
TB5801P-OC48	TB5801P with DS1/DS3/STS1 and OC3-48, Fiber Inspection Scope, Optics, Bantam, BNC and fiber patch cables
TB5812P-OC192	TB5812P with DS1/DS3/STS1 and OC3-192, Fiber Inspection Scope, Optics, Bantam, BNC and fiber patch cables

### Ethernet Single Port Packages

TB5801-GIGE	TB5801 with 1GE Optical and 10/100/1000 Mbps Electrical Ethernet, Optics and fiber patch cables
TB5812-1G-10GE	TB5812 with 1GE and 10GE Optical and 10/100/1000 Mbps Electrical Ethernet, Fiber Inspection Scope, Optics and fiber patch cables

### PDH, SONET, and Ethernet Single Port Packages

TB5801P-DS3-GIGE	TB5801P with DS1/DS3/STS1, 1GE Optical and 10/100/1000 Mbps Electrical Ethernet, Optics, Bantam, BNC, and fiber patch cables
TB5801P-OC12-GIGE	TB5801P with DS1/DS3/STS1, OC3-12, 1GE Optical and 10/100/1000 Mbps Electrical Ethernet, Optics, Bantam, BNC, and fiber patch cables
TB5801P-OC48-GIGE	TB5801P with DS1/DS3/STS1, OC3-48, 1GE Optical and 10/100/1000 Mbps Electrical Ethernet, Fiber Inspection Scope, Optics, Bantam, BNC, and fiber patch cables
TB5812P-OC192-10GE	TB5812P DS1/DS3/STS1, OC3-192, 1GE and 10GE Optical and 10/100/1000 Mbps Electrical Ethernet, Fiber Inspection Scope, Optics, Bantam, BNC, and fiber patch cables

### PDH & SONET Dual Port Packages

TB5802P-OC12-DP	TB5802P Dual port with DS1/DS3/STS1 and OC3-12, Optics, Bantam, BNC, and fiber patch cables
TB5802P-OC48-DP	TB5802P Dual port with DS1/DS3/STS1 and OC3-48, Fiber Inspection Scope, Optics, Bantam, BNC, and fiber patch cables
TB5812P-OC192-DP	TB5812P Dual port with DS1/DS3/STS1 and OC3-192, Fiber Inspection Scope, Optics, Bantam, BNC, and fiber patch cables

### Ethernet Dual Port Packages

TB5802-GIGE-DP	TB5802 Dual port with 1GE Optical and 10/100/1000 Mbps Electrical Ethernet, Optics and fiber patch cables
TB5812-1G-10GE-DP	TB5812 Dual port with 1GE and 10GE Optical and 10/100/1000 Mbps Electrical Ethernet, Fiber Inspection Scope, Optics and fiber patch cables

### PDH, SONET, and Ethernet Dual Port Packages

TB5802P-DS3-GIGE-DP	TB5802P Dual port with DS1/DS3/STS1, 1GE Optical and 10/100/1000 Mbps Electrical Ethernet, Optics, Bantam, BNC, and fiber patch cables
TB5802P-OC12-GIGE-DP	TB5802P Dual port with DS1/DS3/STS1, OC3-12, 1GE Optical and 10/100/1000 Mbps Electrical Ethernet, Optics, Bantam, BNC, and fiber patch cables
TB5802P-OC48-GIGE-DP	TB5802P Dual port with DS1/DS3/STS1, OC3-48, 1GE Optical and 10/100/1000 Mbps Electrical Ethernet, Fiber Inspection Scope, Optics, Bantam, BNC, and fiber patch cables
TB5812P-OC192-10GE-DP	TB5812P Dual port with DS1/DS3/STS1, OC3-192, 1GE and 10GE Optical and 10/100/1000 Mbps Electrical Ethernet, Fiber Inspection Scope, Optics, Bantam, BNC, and fiber patch cables

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Ordering Information *cont'd.***5800 Packages for APAC, EMEA, Latin America**

All packages include soft carry case, user manual, battery, power adaptor, and 3-year warranty. All packages with Ethernet include Layers 1, 2, and 3 (Ipv4) and multiple streams (CoS). All packages with 10GE include LAN & WAN. All dual port packages contain (1) set of SFPs. Additional SFPs must be purchased for dual optical testing.

**PDH & SDH Single Port Packages**

MTS5801P-PDH	MTS5801P with all PDH interfaces, Bantam and BNC cables
MTS5801P-STM4	MTS5801P with all PDH interfaces and STM-1,-4, Optics, Bantam, BNC and fiber patch cables
MTS5801P-STM16	MTS5801P with all PDH interfaces and STM-1-16, Fiber Inspection Scope, Optics, Bantam, BNC and fiber patch cables
MTS5812P-STM64	MTS5812P with all PDH interfaces and STM-1-64, Fiber Inspection Scope, Optics, Bantam, BNC and fiber patch cables

**Ethernet Single Port Packages**

MTS5801-GIGE	MTS5801 with 1GE Optical and 10/100/1000 Mbps Electrical Ethernet, Optics and fiber patch cables
MTS5812-1G-10GE	MTS5812 with 1GE and 10GE Optical and 10/100/1000 Mbps Electrical Ethernet, Fiber Inspection Scope, Optics and fiber patch cables

**PDH, SDH, and Ethernet Single Port Packages**

MTS5801P-PDH-GIGE	MTS5801P with all PDH interfaces, 1GE Optical and 10/100/1000 Mbps Electrical Ethernet, Optics, Bantam, BNC, and fiber patch cables
MTS5801P-STM4-GIGE	MTS5801P with all PDH interfaces, STM1-4, 100/1000Mbps Optical and 10/100/1000 Mbps Electrical Ethernet, Optics, Bantam, BNC, and fiber patch cables
MTS5801P-STM16-GIGE	MTS5801P with all PDH interfaces, STM1-16, 100/1000Mbps Optical and 10/100/1000 Mbps Electrical Ethernet, Fiber Inspection Scope, Optics, Bantam, BNC, and fiber patch cables
MTS5812P-STM64-10GE	MTS5812P with all PDH interfaces and STM-1-64, 1GE and 10GE Optical and 10/100/1000 Mbps Electrical Ethernet, Fiber Inspection Scope, Optics, Bantam, BNC, and fiber patch cables

**PDH & SDH Dual Port Packages**

MTS5802P-STM4-DP	MTS5802P Dual port with all PDH interfaces and STM-1,-4, Optics, Bantam, BNC and fiber patch cables
MTS5802P-STM16-DP	MTS5802P Dual port with all PDH interfaces and STM-1-16, Fiber Inspection Scope, Optics, Bantam, BNC and fiber patch cables
MTS5812P-STM64-DP	MTS5812P Dual port with all PDH interfaces and STM-1-64, Fiber Inspection Scope, Optics, Bantam, BNC and fiber patch cables

**Ethernet Dual Port Packages**

MTS5802-GIGE-DP	MTS5802 Dual port with 1GE Optical and 10/100/1000Mbps Electrical Ethernet, Optics and fiber patch cables
MTS5812-1G-10GE-DP	MTS5812 Dual port with 1GE and 10GE Optical and 10/100/1000Mbps Electrical Ethernet, Fiber Inspection Scope, Optics and fiber patch cables

**PDH, SDH, and Ethernet Dual Port Packages**

MTS5802P-PDH-GIGE-DP	MTS5802P Dual port with all PDH interfaces, 1GE Optical and 10/100/1000 Mbps Electrical Ethernet, Optics, Bantam, BNC, and fiber patch cables
MTS5802P-STM4-GIGE-DP	MTS5802P Dual port with all PDH interfaces, STM1-4, 1GE Optical and 10/100/1000 Mbps Electrical Ethernet, Optics, Bantam, BNC, and fiber patch cables
MTS5802P-STM16-GIGE-DP	MTS5802P Dual port with all PDH interfaces, STM1-16, 1GE Optical and 10/100/1000 Mbps Electrical Ethernet, Fiber Inspection Scope, Optics, Bantam, BNC, and fiber patch cables
MTS5812P-STM64-10GE-DP	MTS5812P Dual port with all PDH interfaces and STM-1-64, 1GE and 10GE Optical and 10/100/1000 Mbps Electrical Ethernet, Fiber Inspection Scope, Optics, Bantam, BNC, and fiber patch cables

Ordering Information *cont'd.*

## Mainframe and Test Option Part Codes

**5800 Mainframe Hardware**

TB/MTS-5801	Single Port 1GE/155M–2.5G 5800 Mainframe
TB/MTS-5802	Dual Port 1GE/155M–2.5G 5800 Mainframe
TB/MTS-5812	10G + Dual Port 1GE/155M–2.5G 5800 Mainframe
TB/MTS-5801P	Single Port 1GE/155M–2.5G + PDH 5800 Mainframe
TB/MTS-5802P	Dual Port 1GE/155M–2.5G + PDH 5800 Mainframe
TB/MTS-5812P	10G + Dual Port 1GE/155M–2.5G + PDH 5800 Mainframe

**Low-Speed Optical Interface Software**

C510M1GE	10/100/1000 M Electrical and 1GigE Optical Ethernet Test Option (includes IPv4 and Multiple Streams CoS)
C5LSSONSDH	OC-3/STM-1 and OC-12/STM-4 Test Option
C525GSONSDH	OC-48/STM-16 Test Option
C5LSL1CPRI	3.072G Optical BERT Test Option
C5DUALPORT	Enables low-speed Port 2 on 5802/P and 5812/P

**10G Interface Software**

C510GELAN	10GigE LAN Ethernet Test Option (includes WAN, IPv4, and Multiple Streams CoS)
C510GEWAN	10GigE WAN Ethernet Test Option (includes LAN, IPv4, and Multiple Streams CoS)
C510GSONSDH	OC-192/STM-64 Test Option

**Electrical PDH/TDM Software**

C5E1DS1	E1/DS1 Electrical Test Option
C5DS3STS1	DS3/STS-1 Electrical Test Option
C5E3E4STM1E	E3/E4/STM-1e Electrical Test Option

**Additional Ethernet/IP Software**

C5IPV6	Ethernet IPv6 Test Option
C5LSLAYER4	10/100/1000 M and 1GigE L4 TCP/UDP Test Option
C510GLAYER4	10GigE L4 TCP/UDP Test Option
C5ETHSOAM	Ethernet Service and Link Layer OAM Test Option
C5LSCAPTURE	10/100/1000M and 1GigE Packet Capture Test Option
C510GCAPTURE	10GigE Packet Capture Test Option
C5LSSYNCE	1GigE Optical Sync-E Test Option
C510GESYNCE	10GigE Optical Sync-E Test Option
C5LS1588	10/100/1000 M and 1GigE IEEE 1588 Test Option
C5JPROOF	J-Proof Layer 2 Transparency Test Option
C5MACINMAC	Ethernet MAC-in-MAC Test Option
C5MPLSVPLS	Ethernet MPLS/VPLS Test Option
C5MPLSTP	Ethernet MPLS-TP & OAM Test Option

**Additional Mainframe Software**

CSVT100	VT-100 Emulation Test Option
CSTAMSCRIPT	TAM Automation Test Option
CSRENTAL	Rental Configuration Option
CSWIFI	USB WiFi Dongle for 5800
CSBT	Bluetooth Connectivity Option
CSETHLPBK	Ethernet Loopback Option; use only when ordering the 5800 as a Loopback ONLY Unit. Loopback is supported with full generation interface options.

**1GE and 1G/2G FC SFP Transceiver**

CSFP-2G-8-1	SFP GigE and 2G/1G Fibre Channel, 850 nm, 300 m, SX
CSFP-2G-3-1	SFP GigE and 2G/1G Fibre Channel, 1310 nm, 20 km, LX
CSFP-2G-5-1	SFP GigE and 2G/1G Fibre Channel, 1550 nm, 80 km, ZX

**SONET/SDH and 1GE, 1G/2G FC SFP Transceiver**

CSFP-2G5-3-1	SFP 2.5G–155M and GigE and 2G/1G FC, 1310 nm, 40 km, LR1
CSFP-2G5-5-1	SFP 2.5G–155M and GigE and 2G/1G FC, 1550 nm, 80 km, LR2
CSFP-2G5-5-2	SFP 2.5G–155M and GigE and 2G/1G FC, 1550 nm, 15 km, IR2

**10G SONET/SDH and 10GE XFP Transceiver**

CXFP-10G-8-1	XFP 9.95G and 10GigE and 10G FC, 850nm, 300m, SR
CXFP-10G-3-1	XFP 9.95G–11.1G and 10GigE and 10G FC, 1310 nm, 10 km, SR1
CXFP-10G-5-1	XFP 9.95G–11.1G and 10GigE and 10G FC, 1550 nm, 40 km, IR2
CXFP-10G-5-2	XFP 9.95G–11.1G and 10GigE and 10G FC, 1550 nm, 80 km, IR2, APD
CXFP-10G-T-1	XFP 9.95G–11.1G, 10GE, 10G FC, DWDM Tunable, 80 km, LR2

*Additional SFP Transceiver options and accessories are available. Please contact your sales representative for additional information.*

**Test & Measurement Regional Sales**

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