

Technical Data

Victoria Combo Platform

Tailored Test Solution for the Next Generation Networks

General

- Modular structure
- Basic Architecture: Front module display version (CDISP) or Front module non-display version (CPROBE), Application Module/Modules (not included), Rear Module (CREAR)
- Max number of modules: Up to 8 modules of 1" or a mix of 2", 1.5" and 1" modules up to a total bus length of 8" or 80W of power consumption
- User-removable modules
- Multi-position desk leg
- Rubber protection corners in Front and Rear Modules
- Removable multi-use strap for handling and transport
- Optional security lock cable is available (KL2)
- Display: 10.4" TFT colour touchscreen with SVGA resolution (800x600 pixel)

Dimensions

- Dimensions of Front Module (w x h x d): 270 x 220 x 34.3 mm
- Dimensions of Rear Module (w x h x d): 270 x 220 x 28.1mm
- Weight of Front Module (without battery pack): 1,6 kg
- Weight of Rear Module (without battery pack): 0,9 kg
- Weight of a battery pack: 0,3 kg

Connectors

- USB Host: double USB port for external mouse and keyboard
- 10BaseT: RJ45 connector for LAN connection
- USB Peripheral: USB port for future applications
- Stereo IN: Stereo input for future applications
- Stereo OUT: Stereo output for future applications
- Ref.IN: BNC connector for reference clock input
- Ref.OUT: BNC connector for reference clock output
- RS-232C: DB9 connector for serial RS232C interface
- Audio IN/OUT: Audio Input/Output for external headset (future applications)
- External 18VDC power input: To connect an adapter/charger (mains)

Reference Clock

Reference clock input (Ref.IN Connector)

- Coded signals: E1 (0 dB), E1(-20 dB), T1 (0 dB), T1 (-20 dB). Line attenuation compensation up to 6dB
- Clock signals: 1544 kHz, 2048 kHz, any clock signal from 64 kHz to 10 MHz multiple of 8 kHz. Level: 0.5 to 2.5 Vpp



Reference clock output (Ref.OUT Connector)

- User-selectable: 1544 kHz or 2048 kHz
- Level: 2.5 Vpp on 75 Ohm

Slots

- Two Compact Flash Slots type 2
- One Expansion Slot for future applications

Audio

- Built-in Microphone
- Built-in speaker

LEDs

Front panel

- ON: Indicates ON state
- DC: Indicates DC power supply from the adapter/charger connected to the mains
- BATT: Indicates power supply from batteries
- LAN: Indicates LAN activity

Side panel

- LK: Detection of LAN
- PW: Power

Graphical User Interface

- Window-based
- A set of windows for every installed application module



Remote Control

- Via SW Application and TCP/IP connection through the RJ-45 10BaseT connector
- Remote GUI is identical to local GUI

Files/Export

- Reports: To be printed to a file or external serial printer. ASCII plain text or CSV
- Results: To be displayed (histograms and time graphs) on the screen
- Configurations: To configure the tester automatically
- Screenshots: JPEG files of GUI screens
- Files can be downloaded to a computer from Victoria Combo by using a standard browser and a TCP/IP connection
- Files can be transferred from the internal memory to a Compact Flash memory card
- Files can be loaded from an external Compact Flash memory card to the internal memory of Victoria Combo

Connectivity

- Ethernet (through RJ-45 10BaseT connector)
- Wireless LAN (through WL card in anyone of Compact Flash slots)
- Serial connection (through RS232C connector)

Internal Browser

- Application No1: On-line manual
- Application No.2: Access to a set of pre-selected support links

SW Upgrade

- Through an Internet connection to a specific Trend website
- Through compact flash memory microdrive card

Switch-Off modes

- Standard: Switch to off-state, the next switch off forces the SW boot process
- Sleep mode: Switch to a low-consumption state; the switch on from this state is instantaneous

External Power Supply

- By means of an AC Adapter/Charger connected to the mains
- Input voltage: 95-260 VAC, 47-63 Hz
- Output voltage: 18 VDC, 80 W (4.44A)

Battery Power Supply

- User-replaceable batteries
- Battery charging time (1 or 2 pack): 2 hours (85% of charge) to 3 hours (98% or charge)

- Battery type: 4.1Ah, 14.8 V Lithium-Ion (Li-Ion); one or two battery packs
- Two battery compartments: One in the Front Module, and an additional one in the Rear Module to extend the operating time or making possible the replacement with the tester switched on
- Battery operating time: depending on the number and type of modules (typ.: 1 to 2 hour with one battery pack and one SDH/SONET 10Gbit/s module)

RF/EMI, ESD and Electrical Safety

- Radiated EMI: EN55022
- Immunity to EMI: EN61000-4-3
- ESD: EN61000-4-2
- Electrical safety: EN60950

Environmental conditions

- Operates from 0 to 45 °C
- Operates from 0 to 30° with 90 to 100% of relative humidity
- Storage: -25 to +70 °C
- Humidity: 5 to 90%, without condensation ☐

Ordering Information

Configuration

Part Number	Description
COMBOPT	Victoria Combo platform without application modules

Components of COMBOPT

Part Number	Description
CDISP	Victoria Combo Front Module with display
CREAR	Victoria Combo Rear Module
ML360	Victoria Combo soft carrying bag
CSTRAP	Multi-Use strap
CCDROM	CD-ROM
MOCOMBO	English Quick Reference Guide (50 pages)
BT420	Li-Ion battery pack Victoria Combo
AL320	Victoria Combo AC/DC adapter
CA110	Mains cord Victor/Victoria
CAETH	Ethernet Data Cord
CAETHX	Ethernet Data Crossed Cord
CSTYL	Stylus

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