# 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"
- 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 is available (option KL1)

## Dimensions

- Dimensions of Front Module (w x h x d): 270 x 220 x 34.3mm
- 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
- Weightt 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 direct connection to a PC for remote control
- 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 power input: to connect an adapter/charger (mains)

## Reference Clock

### Reference clock input (Ref.IN Connector)

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

### Reference clock output (Ref.OUT Connector)

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

## Slots

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

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## Remote Control

- Via a standard Java-enabled browser and TCP/IP connection
- Remote GUI is identical to local GUI

## Files/Export

### Types

- Reports: To be printed to a file or printer. ASCII plain text or CSV
- Results: To be displayed (histograms time graphs) on the screen
- Configurations: To configure the tester automatically

### Results Export

- Result files can be stored on a Compact Flash Memory Micro-drive card in ASCII plain text or CSV format.

## Connectivity

- Ethernet (through RJ-45 10BaseT connector)
- Wireless LAN (through WL card in anyone of Compact Flash slots)
- Direct connection to a PC for remote control (through USB Peripheral connector)
- 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 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: 95-260VAC, 47-63Hz
- Output voltage: 18VDC, 80W (4.44A)

## Battery Power Supply

- User-replaceable batteries
- Battery charging time (1 or 2 pack): 3 hours
- Battery type: 4.1Ah, 14.8V 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: EN61000-3-3
- ESD: EN61000-3-2
- Electrical safety: EN60950

## Environmental conditions

- Operates from 0 to 45 ºC
- Operates from 0 to 30º with 90 to 100% of relative humidity
- Storage: -25 to +70 ºC
- 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 |
| CA260 | RS-232C cable 9M-9F |
| CAUSB | USB Cable |
| CMM1G | Compact Flash Memory Microdrive 1GB |
| CCFPCMCIA | Compact Flash to PCMCIA adapter |
| CWL | Compact Flash Wireless LAN Card |
| CSTYL | Stylus |
| KL1 | Security lock |

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