



TrendCommunications

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MC2+ ADSL 2+ Tester



TrendCommunications



MC2+ from Trend Communications

The highly portable, low cost solution for testing.....

- ADSL
- ADSL2
- ADSL2+

Simple PASS/FAIL testing at every layer...

ü Physical

ü Transport

ü Network

Completely self-contained...

Battery powered

Tests operate without the need for a PC

- Line voltage detection
 - Detects POTS / ISDN line voltage
 - Confirms correct connection to CO
- ADSL synchronisation establishment
 - Indicates Training (DSLAM detected)
 - Indicates Showtime (Sync with DSLAM)
- PPP establishment
 - Username / password authentication
 - IP Address assignment
- IP connection
 - IP Ping (eg to Google)
 - Confirms Internet access available

- Detects the most common Broadband faults
 - Line not connected to CO
 - Line incorrectly jumpered at MDF
 - DSLAM not switched on
 - DSLAM incorrectly configured
 - ATM layer incorrectly configured
 - Incorrect authentication settings
- Simple to use
 - One switch – Battery ON/OFF
 - 3 Test Indicator LEDs
 - Language independent
 - Configuration / detailed analysis using web browser

- Portable
 - Small size
 - Light
 - Rugged
 - Integral carry / hanging strap
 - Handy carry bag
- Autonomous
 - Battery powered (> 4 hours battery life)
 - Can be used standalone without a PC
- Flexible
 - Can be used in modem replacement through mode
- Low cost
 - Cost-effective for mass deployment to all technicians

- Flexible connectivity
 - Ethernet
 - USB
- No special software needed in PC
 - Use Internet Explorer
- Configuration
 - VPI / VCI
 - Authentication username / password
 - Etc
- Results analysis
 - Upstream / downstream rates
 - Upstream / downstream noise margins
 - Etc

The screenshot shows a web browser window titled ">Config>Trend Setup - Microsoft Internet Explorer". The address bar shows the URL: `http://192.168.1.1/cgi-bin/webcm?getpage=_%2Fhtml%2Fdef%2Fstyle%2Fmenu%2Fmenuu.htm&var:style=style5&var:main=menu&var:menu=setup&var:menutitle=Config&var:pagename=ppoa&var:pagetitle=Trend%20Setup&v`. The browser's address bar also shows "15 blocked" and "AutoFill" options.

The main content area displays the "PPPoA Connection Setup" configuration page. The page has a navigation menu on the left with the following items: HOME, EZ SETUP, CONFIG (selected), ADVANCED, TOOLS, and STATUS. Below the navigation menu, there are several expandable sections: LAN Setup, LAN Configuration, Firewall/NAT Services, WAN Setup, New Connection, Modem, Wizard, Trend, and Save All.

The "PPPoA Connection Setup" form contains the following fields and options:

- Name: Trend
- Type: PPPoA
- Sharing: Disable
- Options: NAT Firewall
- VLAN ID: 0
- Priority Bits: 0
- PPP Settings:
 - Encapsulation: LLC VC
 - Username: username
 - Password: [masked]
 - Idle Timeout: 60 secs
 - Keep Alive: 10 min
 - Authentication: Auto CHAP PAP
 - MTU: 1500 bytes
 - On Demand: Default Gateway:
 - PPP Unnumbered:
- PVC Settings:
 - PVC: New
 - VPI: 8
 - VCI: 35
 - QoS: UBR
 - PCR: 0 cps
 - SCR: 0 cps
 - MBS: 0 cells
 - CDVT: 0 usecs
 - Auto PVC:
- LAN: LAN group 1

Buttons at the bottom of the form include "Connect", "Disconnect", "Apply", "Delete", and "Cancel".

The screenshot shows a Microsoft Internet Explorer browser window displaying the 'Modem Status' page. The address bar shows the URL: `http://192.168.1.1/cgi-bin/webcm?getpage=...%2Fhtm%2Fdfs%2Fstyle5%2Fmenu%2Fmenu.htm&var:style=style5&var:main=menu&var:menu=status&var:menutitle=Status&var:pagename=mdm&var:pagetitle=Modem%20Status`. The page features a navigation menu with tabs: HOME, EZ SETUP, CONFIG, ADVANCED, TOOLS, and STATUS. The 'Modem Status' section is expanded, showing a table of statistics.

Modem Status	
Connection Status	Connected
Us Rate (Kbps)	512
Ds Rate (Kbps)	6144
US Margin	21
DS Margin	21
Trained Modulation	GDMT
LOS Errors	0
DS Line Attenuation	0
US Line Attenuation	2
Peak Cell Rate	1207 cells per sec
CRC Rx Fast	0
CRC Tx Fast	0
CRC Rx Interleaved	2
CRC Tx Interleaved	2
Path Mode	Interleaved
DSL Statistics	
Near End F4 Loop Back Count	0
Near End F5 Loop Back Count	0

A 'Refresh' button is located at the bottom right of the statistics table.

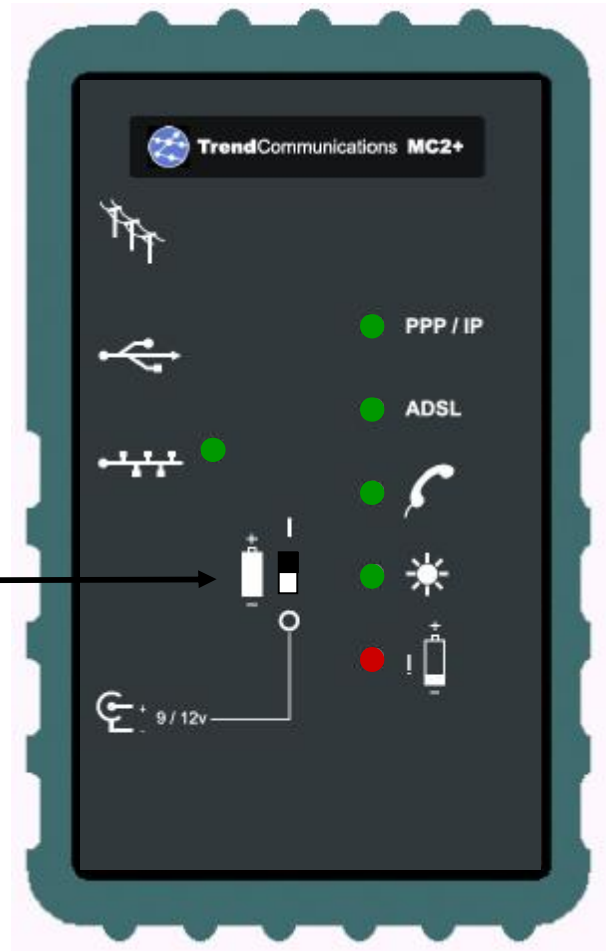
ADSL Line Connector →

USB Port →

Ethernet Port + LED →

Battery / Mains
Power Switch →

Mains Adaptor in →



← PPP / IP Indicator LED

← ADSL Status Indicator LED

← Line Voltage Detector LED

← Power Indicator LED

← Battery Low Warning LED

- ADSL Annex A
- ADSL Annex B (special h/w and s/w build)
- ADSL 2+ Annex A
- (ADSL 2+ Annex B available Q4 2005)
- CE marked
- Dimensions 90mm x 140mm x 45mm
- Weight (including batteries) 400 gram