



# UMTS NETWORKING TRAINER

MODEL - UMTS100

This trainer has been designed with a view to provide practical and experimental knowledge of UMTS Networking (Universal Mobile Telecommunication System) - 3G



Comp-1



Comp-2

## SPECIFICATIONS

- (A) **COMPUTER SYSTEMS** : 2 Nos.
- (B) **3G Modem** - 2 Nos.
- Provides UMTS High-speed data (up to 384 kbps) connectivity to mobile users
  - Provides GPRS/GSM data (up to 85.6 kbps) connectivity
  - Provides transparent handover between UMTS and GSM/GPRS networks
  - Supports IPsec client software for end to end secure corporate data exchange and synchronization over VPN
  - Interface :- USB
  - External Interfaces: Miniature External Antenna Connection, two colour status LED
  - SIM card interface: Low profile, 6 contact connector on bottom side of card.
  - Compliant with 3GPP 31.101 and 31.102
  - UMTS Air Interface (EMEA):
    - EMEA: 2100 Mhz
    - UE Power Class 3 (+24 dBm)
    - High Speed packet-switched data
    - GSM/GPRS Air Interface (North America & EMEA) - 850/ 900/1800/1900 Mhz
    - AT Interface 3GPP TS27.005, ATD\*99# support, unimodem extensions
    - separate PCSC port for SIM access to enable EAP-SIM authentication in WLAN applications
    - separate diagnostics port
- (C) 3G UMTS Router - 2 No.
- (D) SIM Cards with 3G and data service - 2 Nos - to be provided by you.
- (E) 3G Software to transfer data from one computer to other computer.
- (F) All parts are soldered on single pin TAGS on single PCB of size 12" x9" with complete circuit diagram screen- printed in multi-colour.

## EXPERIMENTS

1. Internet connection using UMTS network.
2. SMS transfer using UMTS Network.
3. Data transfer between two computers using 3G network.

In keeping view of SIGMA policy of continuous development and improvement, the Specifications may be changed without prior notice or obligation.

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