



4G MOBILE TRAINER

MODEL - 4GMOBILE100

This trainer has been designed with a view to provide practical and experimental knowledge of 4 G Smart Mobile on a SINGLE PCB.



SPECIFICATIONS

1. Power supply requirement : 230V AC, 50 Hz for charging phone battery with adaptor
2. Battery : Lithium ion battery / 5V~1A
3. Camera : IPX7 Water Resistance 13 MP Primary Camera
5 MP Secondary Camera
4. Battery : 2470 mAh Long Lasting Battery
5. Processor : Qualcomm Snapdragon 410 (MSM8916) Processor with 1.4 Ghz
Quad Core CPU, Adreno 306 with 400 MHz GPU
6. Technology : 4G LTE
7. Display : 5 inch,
8. Resolution : 720p HD (1280 x 720), Corning Gorilla Glass 3
9. Operating System : Android v5.1.1 (Lollipop) OS
10. Dual Sim : GSM + LTE, MicroSIM
11. Memory : 8 GB. Expandable to 32 GB
12. Hardware Keys : Power Switch, Volume Controller, Reset
13. Test Points : 10 Nos.
14. Faults : 8 Nos.
15. Books for Mobile Communication : 10 Nos in pdf Format
16. Mp4 Video Class for Mobile Communication : 40 Classes in Mp4 on Pen Drive
17. Standard Accessories : 1. A Training Manual.
2. Lecture Pen Drive

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Dealer:-

EXPERIMENTS

1. To study and measure frequency band
2. To study and measure the GMSK signals such as Tx I/Q,RxI/Q.
3. To study and observe the system CLK.
4. Observation of Audio signal
5. To study and measure the power supply.
6. Study of charging phenomena with fault insertion.
7. Study and measure PWM signal of UI circuit such as Vibrator, LED, Buzzer.
8. Measurement of LCD with fault insertion.
9. Keypad study with fault insertion
10. Observe study with fault insertion.
11. Observe and measure the SIM card CLK with fault insertion.