CHARTER LEADER PRECISION ELECTRONICS

Datasheet- Model: UT-804

Features

1. 1 TO 4 RF and USB switching module
2. Small sized module, very suit for being placed into shielding box.
3. Controlling DUT to enable serial testing
4. Saving the operation time of replacing DUT

Introduction

UT-804 is a 1 to 4 RF and USB switching module.

Major function of this product: It connects between tester and 4 DUT, and it can switch between 4 RF and USB interfaces to connect with RF Tester and enable 4 DUT being serial tested.

The main benefits of using this product is to save the time wasted by replacing DUT because operator can place 4 DUT at one time.

Generally, one operator usually operates one shielding box and place 1 DUT into box a time. If operator operates two box a time, then the bottleneck would be the operator himself because the test time usually is not long enough. But with UT-804, he can place 4 DUT into shielding box once. Since 4 DUT being tested serially, operator only needs to replace the DUT after 4 times of test, which gives him a long leisure time. Therefore, the operator has the time to operate another shielding box at the same time.

When DUT is being replaced, the tester is idle at the moment, which is a waste of resource. UT-804 boosts the capacity by reducing replacing time significantly.
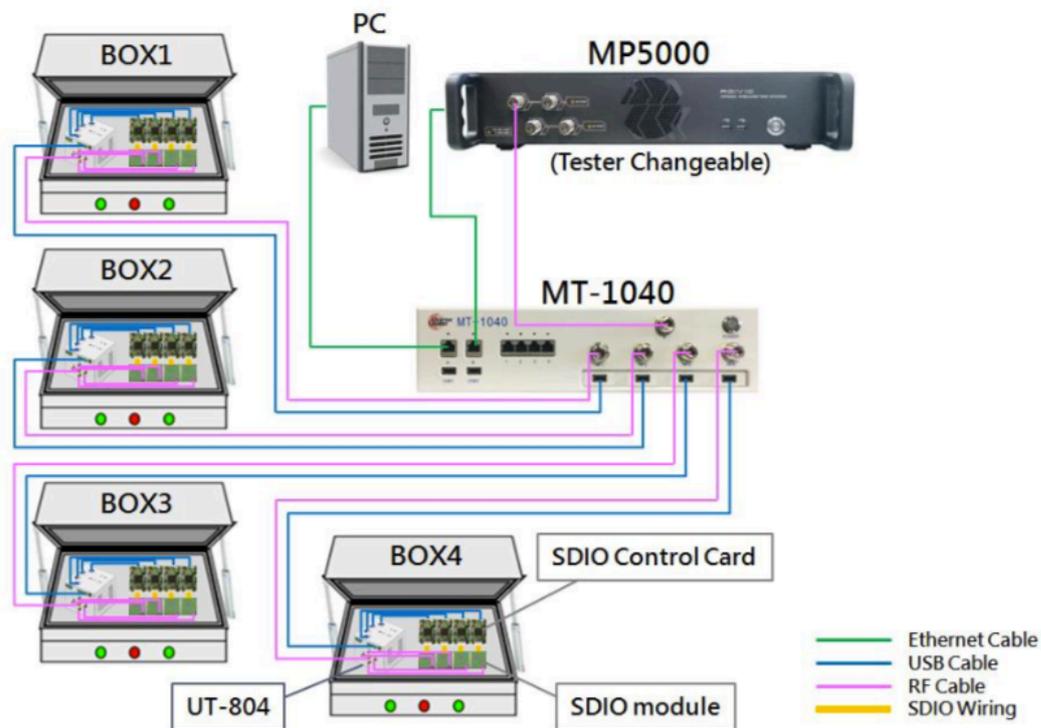
Software interface

The DLL (Dynamic-link library) of UT-804 includes the function of initialization, port switching, LED controlling and many other function. Our software engineer would teach customers the content of DLL after purchase.

The DLL also support switching of 4 UT-804, which means in combination, total 16 port can be switched in one shielding box. In other words, maximum 16 DUT can be serially tested.

Scenario

Following testing environment is a common use of UT-804. If there's only one DUT in each shielding box, then the operator can't operate 4 boxes because when he operates the second box, maybe the DUT in first one has finished testing process. With UT-804, operator places 4 DUT into shielding box. When operator open the Box4, the box1 is just finished the testing of 4 DUT. So it increases the efficiency significantly in this case.

Specification

Control interface	Standard Type-A USB female
Operating voltage	+12V
Operating current	Max. 3A
DUT connecting interface	USB Type-A female x 4
System expansion interface	USB Type-A female x 1
RF interface	SMA female x 5

Indicator light	Power x1 , PC connector x1 , DUT1 - DUT4 dual color(Green & Red) LED x 4
Frequency range	DC ~ 12.4 GHz
Max. input power	DC ~ 2.3 GHz: 100W cw 2.3 ~ 3.0 GHz: 90W cw 3.0 ~ 8.0 GHz: 70W cw 8.0 ~ 12.4 GHz: 60W cw
Isolation	DC ~ 2.3 GHz: 80 dB 2.3 ~ 3.0 GHz: 70 dB 3.0 ~ 8.0 GHz: 65 dB 8.0 ~ 12.4 GHz: 60 dB
V.S.W.R	DC ~ 2.3 GHz: 1.06 : 1 2.3 ~ 3.0 GHz: 1.10 : 1 3.0 ~ 8.0 GHz: 1.30 : 1 8.0 ~ 12.4 GHz: 1.40 : 1
Attenuation	< 0.4 dB
Type	Mechanical, Built in with 50 Ohm 內置 50 Ohm terminating resistor, minimum switching times: 2 million times
Size (L x W x H)	10 cm x 10 cm x 10 cm
Weight	750 g
Temperature range	0 ℃ ~ 50 ℃
Operating humidity	20% ~ 80%

Contact information

Charter Leader Precision Electronics Group

REVAYA TECHNOLOGY (TAIWAN)

Tel: +886-2-2797-0115 Website: www.revaya.com.tw

Email: jason_kao@clpe.com.tw

Address: 5F.-4, Aly. 23, Ln. 91, Sec. 1, Neihu Rd., Neihu Dist., Taipei City 114, Taiwan (R.O.C.)

SUZHOU CHARTER LEADER PRECISION ELECTRONICS (CHINA

Tel: +86 512-66790608 Website: www.clpe.com.cn

Email: haibo@clpe.com.cn

Address: 5F,NO.625,12-4 Buildings, BIN-HE Rd New District, SuZhou China.

DONGGUAN CHARTER LEADER PRECISION ELECTRONICS (CHINA)

Tel: +86 769-85098277 Website: http://www.dgtclp.com/index.html

Address: 2F ., Building I, Plainvim International Industrial Park, No.76, Zhenan East Rd., Dongguan City, Guangdon province, China

INNOVSYS TECHNOLOIES PTE.LTD (SINGAPORE)

Tel: +65 63891700 Website: www.istpl.com

Address: 111 North Bridge Road #21-01 Peninsula Plaa Singapore 179098

Email: khong@itspl.com