

MSATA30

User's Manual (DOS)

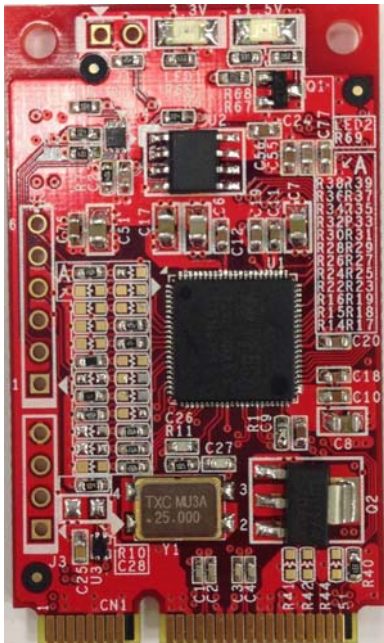
Bear Technologies
www.beartech.com.tw

Product Feature :

- MSATA Function Test

Product Content :

- MSATA30 Test Card * 1



LED & CONNECTER :

- LED1 : 3.3V Power LED (Red)
- LED2 : 1.5V Power LED (Red)

Common Program Syntax :

- Filename : SATATST.COM

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SATA-05 & SATA30  Test Ver 3.4  10/17/2013  Bear Technologies  Help: ?
Lap_Cnt: 0001  Loop_Cnt: 00000001  Start: 10/24/2013 15:09:55

DRU  Model Number      MIO_BASE  M SPD(E:R)  S_NO  Results
C:   WDC WD5000AAXX-001CA  F110     M Gen(?:?)  ??    Skip
D:   BearTech SATA30 M101  F110     S Gen(2:2)  04    Gen_Spd Compare
E:   BearTech SATA30 M101  F0F0     M Gen(3:3)  DD    Gen_Spd Compare
F:   BearTech SATA30 M101  F0F0     S Gen(2:2)  01    Gen_Spd Compare
G:   BearTech SATA30 M101  F0B0     M Gen(2:2)  03    Gen_Spd Compare
H:   BearTech SATA30 M101  F090     M Gen(2:2)  FE    Gen_Spd Compare
I:   ?????
J:   ?????
K:   ?????
L:   ?????
M:   ?????
N:   ?????
O:   ?????
P:   ?????
Q:   ?????
R:   ?????

100> SATA Gen3 Speed (Expect/Pass) ( = 01/01) : Pass
101> SATA-?? Function (Expect/Pass) ( = 05/05) : Pass

Number of Fixed Disks: 06  "Q" : Quit  10/24/2013 15:09:55
C:\ALANTS>_
  
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- Syntax

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SATA-05 & SATA30  Test Ver 3.4  10/17/2013  Bear Technologies  Help: ?

SATATST [T1..T16][G3:?????][G2:?????][G3T??][\NK]\NIE]

\D  : Skip UltraDMA Write/Read Sectors (0C8h/0C9h/025h/035h)
\DW : Skip UltraDMA Write Sectors      (0C9h/035h)
\NP : Skip PIO Mode Write/Read Sectors (020h/030h/0C4h/0C5h)
\NPW : Skip PIO Mode Write (Multiple) Sectors (030h/0C5h)
\NPW1 : Skip PIO Mode Write Sectors      (030h)
\NPW2 : Skip PIO Mode Write Multiple Sectors (0C5h)
\NIE : Skip PIO Mode & 0ECh Command (Skip INT 13h Extension)
G3:DG : Expect D: G: = Gen3 Speed  G3T3 : Gen3 Pass Count = 3
G2:EF : Expect E: F: = Gen2 Speed

SATATST          : 1 SATA-?? & Lap_cnt = 1
SATATST T4       : 4 SATA-?? & Lap_cnt = 1
SATATST T6 \P    : 6 SATA-?? & PIO Mode Skip
SATATST T8 \PW   : 8 SATA-?? & PIO Write Skip
SATATST T16 /0   : 16 SATA-?? & Lap_cnt = loop
SATATST T4 *1*02*3*1C : S_NO(01h/02h/03h/1Ch)&(SATA05.LOG)
SATATST T7 G3:DIJ : 7 SATA-?? & (D:I:J: = Gen3)
SATATST T7 G2:EFGH : 7 SATA-?? & (E:F:G:H: = Gen2)
SATATST T7 G3:DIJ G2:EFGH : (D:I:J: = Gen3) (E:F:G:H: = Gen2)

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Test Principle :

A. Product Feature:

- Ultra DMA Read/Write Test
- Gen3 Signaling Speed Test

B. Compatibility:

- MB , IPC , Server , Express Card

C. Testing Introduction:

- DOS Mode (SATATST.COM)可
- Only requires one program to conduct fully test SATA

D. Testing Procedure:

1. MSATA30 Test Card Connect To MSATA Port
2. Boot the screen to DOS platform
3. Excute **SATATST.COM**

Test Results :

A. The chips that have been tested :

INTEL: P65
P67
H77
Z77
QM77
H87
Z87
QM87

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