

M2SATA30

User's Manual (DOS)

Bear Technologies
www.beartech.com.tw

Product Feature :

- M.2 SATA Function Test (Key B/M Type 2242/2260/2280)

Product Content :

- M2SATA30 Test Card * 1



LED & CONNECTER :

- LED1 : 3.3V 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

DRV 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??][\K]\IE]

\D : Skip UltraDMA Write/Read Sectors (0C8h/0C9h/025h/035h)
\DW : Skip UltraDMA Write Sectors (0C9h/035h)
\P : Skip PIO Mode Write/Read Sectors (020h/030h/0C4h/0C5h)
\PW : Skip PIO Mode Write (Multiple) Sectors (030h/0C5h)
\PW1 : Skip PIO Mode Write Sectors (030h)
\PW2 : Skip PIO Mode Write Multiple Sectors (0C5h)
\IE : 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:

- M.2 SATA MB , IPC , Server ,NB

C. Testing Introduction:

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

D. Testing Procedure:

1. M2SATA30 Test Card Connect To M.2 SATA Port
2. Boot the screen to DOS platform
3. Execute **SATATST.COM**

Test Results :

A. The chips that have been tested :

INTEL: H97

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