



Computer Memory Test Labs

Intel® Approved Final Test Report

MOTHERBOARD	MANUFACTURER	CHIPSET	TEST #	STATUS
DN2820FYK/DN2820FYKH	Intel	Intel® N2820	027146	PASSED

MEMORY MODULE INFORMATION

CMTL Part #: ITC006

Manufacturer Name: **Insignis Technology Corporation, Inc.**

Manufacturer Part #: **NMLS0220-8KET**

DRAM Manufacturer: **INSIGNIS**

Environment Code: **RoHS-Halogen Free**

DRAM Part #: **NDL28PFH-8KIT**

Low Profile: **30mm LP**

Module Config: **256M x 64**

Cas Latency: **11**

Module Size: **2GB**

Bank: **2**

PCB Part #: **KO-8248**

PCB Layer Count: **6 Layer** Assembly Type: **JEDEC Standard/Non-stacked DRAM**

Module Information: **Unbuffered 1.35V Non-ECC 1600MHz DDR3 SODIMM**

SYSTEM INFORMATION	TESTING DETAILS
<p><u>MINIMUM SYSTEM INFORMATION</u></p> <p>Minimum System: DN2820FYK/DN2820FYKH Serial Number: G6YK4020043E Board Revision: H24582-201 Bios Memory Count: 2GB Processor Code: Intel® Celeron® N2820 @ 2.13GHz Bios at time of test: FYBYT10H.86A.0052 RST PRO Count: 1G 944M</p> <p><u>MAXIMUM SYSTEM INFORMATION</u></p> <p>Maximum System: DN2820FYK/DN2820FYKH Serial Number: G6YK402004AZ Board Revision: H24582-201 Bios Memory Count: 2GB Processor Code: Intel® Celeron® N2820 @ 2.13GHz Bios at time of test: FYBYT10H.86A.0052 R.S.T PRO Count: 1G 944M</p>	<p>35°C~55°C Temperature / Standard Voltage</p> <p>Start Date: 6/9/2017 Stop Date: 6/9/2017</p> <p>Insertion Test: Pass SPD Check: Pass Minimum Load: Pass Maximum Load: Pass S0 ~ S5 Test: Pass Power Cycle Test: Pass</p> <p>Test Card Version: R.S.T Premium v8.50</p>

Microsoft Windows-7 64bit version is used as it support over 4GB memory and must support target chipset/CPU platform. All board drivers must be loaded when drivers are available on Intel web site. Front panel power cycling test, ACPI S3 sleep state cycling test, and Hibernate S4/S5 state cycling test is done up to 20 cycle each when the board support it. At least 2 loops of all test under R.S.T PRO3 to be completed.

Test Notes:

Max configuration, 5 Loops Passed, 0 Error; Memory speed running @ 1066MHz
 This NUC Supports Intel® Braswell Chipset
 UUT under test reached +50°C
 This memory part was tested and Industrial certified at -40°C & +85°C without any error