



**Moxa Inc.**

Fl.4, No. 135, Lane 235, Baoqiao Rd. Xindian Dist.,  
New Taipei City 23145, Taiwan, R.O.C.

TEL: 02-8919-1230

FAX: 02-8919-1231

Email: [info@moxa.com](mailto:info@moxa.com)

[www.moxa.com](http://www.moxa.com)

# **RNAS-1200 Series Component Compatibility Guide**

A list of peripheral components suitable for use with RNAS-1200 series computers

2013/10/01 V1.0



**Moxa Inc.**  
Fl.4, No. 135, Lane 235, Baoqiao Rd. Xindian Dist.,  
New Taipei City 23145, Taiwan, R.O.C.  
TEL: 02-8919-1230  
FAX: 02-8919-1231  
Email: info@moxa.com  
www.moxa.com

## Copyright Notice

©2013 Moxa Inc.

All rights reserved.

Reproduction without permission is prohibited.

## Trademarks

The MOXA logo is a registered trademark of Moxa Inc.

All other trademarks or registered marks in this manual belong to their respective manufacturers.

## Disclaimer

Information in this document is subject to change without notice and does not represent a commitment on the part of Moxa.

Moxa provides this document as is, without warranty of any kind, either expressed or implied, including, but not limited to, its particular purpose. Moxa reserves the right to make improvements and/or changes to this manual, or to the products and/or the programs described in this manual, at any time.

Information provided in this manual is intended to be accurate and reliable. However, Moxa assumes no responsibility for its use, or for any infringements on the rights of third parties that may result from its use.

This product might include unintentional technical or typographical errors. Changes are periodically made to the information herein to correct such errors, and these changes are incorporated into new editions of the publication.

## Technical Support Contact Information

[www.moxa.com/support](http://www.moxa.com/support)

### **Moxa Americas**

Toll-free: 1-888-669-2872

Tel: +1-714-528-6777

Fax: +1-714-528-6778

### **Moxa Europe**

Tel: +49-89-3 70 03 99-0

Fax: +49-89-3 70 03 99-99

### **Moxa India**

Tel: +91-80-4172-9088

Fax: +91-80-4132-1045

### **Moxa China (Shanghai office)**

Toll-free: 800-820-5036

Tel: +86-21-5258-9955

Fax: +86-21-5258-5505

### **Moxa Asia-Pacific**

Tel: +886-2-8919-1230

Fax: +886-2-8919-1231

## 1. Introduction

This is a list of hardware components that have either been proven to provide up-to-spec performance when used with the Moxa RNAS-1200 series of embedded computers, or which share basic design features with such components.

As Moxa computers come with different peripheral options and are engineered to differing hardware specifications, compatibility issues may sometimes arise. When paired with Moxa's RNAS-1200 series of embedded computers, peripherals from one manufacturer may not work as well as those made by another. For this reason, Moxa provides this list of compatible components, so that users may be certain to get the reliability they expect from Moxa's RNAS-1200 series.

## 2. Testing Methods

To validate a component as meeting Moxa standards of quality and environmental tolerances, three key compatibility tests may be run:

- Ambient Temperature Burn-In
- EN-50155 TX Temperature Hard Start
- EN-50155 T1 Temperature Hard Start

### **Ambient Temperature Burn-in**

Components are mounted in an RNAS-1200 computer and run through a series of stress tests at an ambient temperature of around 25°C for a specified period of time. Test periods are determined according to the class of peripherals being tested.

### **EN-50155 TX Temperature Hard Start**

Components are mounted in an unpowered RNAS-1200 computer and then the system is booted up from an extremely low temperature(-40°C).

### **EN-50155 T1 Temperature Hard Start**

Components are mounted in an unpowered RNAS-1200 computer and then the system is booted up from an extremely low temperature(-25°C).

### 3. Compatible Components

Check the following table for the validation condition codes and their description.

Test Code	Description
A	The component passed ambient temperature verification
B	The component passed TX Temperature verification
C	The component passed T1 Temperature verification
D	Component has not been tested, but shares materials and design with another component that has been verified.

The following list shows which peripherals have been tested, and for what specifications, on Moxa's embedded computers.

HDD						
Vendor	Size	Moxa's PN	Vendor's PN	Controller	Firmware	Test Codes
Hitachi	100 GB	N/A	HEJ421010G9SA00	N/A	C30E	A, B
Hitachi	1 TB	N/A	HCC541010A9E680	N/A	N/A	A, C
Hitachi	750 GB	N/A	HCC541075A9E680	N/A	N/A	D
Hitachi	750 GB	N/A	HCC547575A9E380	N/A	N/A	D
Hitachi	640 GB	N/A	HCC541064A9E680	N/A	N/A	D
Hitachi	640 GB	N/A	HCC547564A9E380	N/A	N/A	D
Hitachi	500 GB	N/A	HCC547550A9E380	N/A	N/A	D
Toshiba	100 GB	1352200000112	MK1060GSC	N/A	N/A	A, B
WD	500 GB	N/A	WD5000LPVT	N/A	N/A	A, C
WD	500 GB	N/A	WD5000BUCT	N/A	01.01A01	A, C
Seagate	500 GB	N/A	ST9500325AS	N/A	0001SDM1	A, C