

## Overview

The Niagara 1314 is a high reliability 1U rack-mountable appliance based on Intel's Server Board S1600JP (Jackson Pass Motherboard). This is supported by the Intel® Ivy Bridge® based Processor Xeon E5-2600 and E5-1600. The system has been architected from the ground up to achieve a 1U low profile. Cabling has been minimized to eliminate airflow blocking. High efficiency power supplies and internal power components reduce operating expenses.

This Intel based appliance comes equipped with eight ports of 1G Copper (Intel 82574 Ethernet Controllers), two ports of 10G Fiber (Intel 82599 Ethernet Controllers), 1 USB 2.0 ports, a Serial port, up to 8 DDR3 memory modules and up to 1TB HD. The Niagara 1314 can also support up to two Nitrox III modules for IPsec & SSL acceleration.

This fully programmable network appliance is flexible, supporting multiple customer configurations for a broad range of end user applications, including Network Security, Storage, DataCenter Server, and Cloud Appliances.



## System Key Components

- 1U appliance
- Intel® Xeon Server class Processor E5-2600 and E5-1600 based on Sandy Bridge and Ivy Bridge Architecture;
- 1+1 Redundant hot pluggable 80 Plus Gold Efficient power supplies
- Highest power efficiency with 90+ power efficient components
- Up to eight DDR3
- SATA SSD Drive
- Eight 10/100/1000 Copper Ethernet ports
- Two dual speed SFP+ port
- 1 USB 2.0 Port
- 1 Serial Port
- One management port with IPMI support
- Field replaceable fans

## Environmental

Operating Temperature	0 to 45 °C or 32 to 113 °F
Operating Humidity	5 to 85%
Maximum Power Consumption	220.7 Watts

## Dimensions

	mm	inches
Length	530	20.87
Depth	436	17.17
Height	44.45	1.75

## Ordering Part Numbers

Part Number	Description
Niagara 1314	1U Customizable Appliance based Intel Server Board S1600JP (Jackson Pass)

## Product Line

- Network Interface Cards with Bypass
- Network Interface Cards without Bypass
- External Bypass Products
- SSL/IPSec Cards
- Embedded Switches
- Embedded Platforms
- Development Tools
- TAP Systems

## About Interface Masters Technologies, Inc.

[Interface Masters Technologies](#) is a leading vendor in the network monitoring and visibility market including Bypass, TAP, switches and smart NICs products, based in the heart of the Silicon Valley.

Interface Masters' expertise lies in Gigabit, 10GbE and 40GbE networking solutions that integrate with monitoring, inline networking, IPS, UTM, Load Balancing, WAN acceleration, and other mission-critical IT and security appliances. Flagship product lines include PacketMaster® Network Packet Broker, specialized 10GE internal server adapter cards, switches, 10Gb and 40Gb external intelligent Network TAP and Bypass and failover systems.

Company Headquarters are located in San Jose, CA with satellite offices in Hong Kong and Europe.



## Contact Interface Masters

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