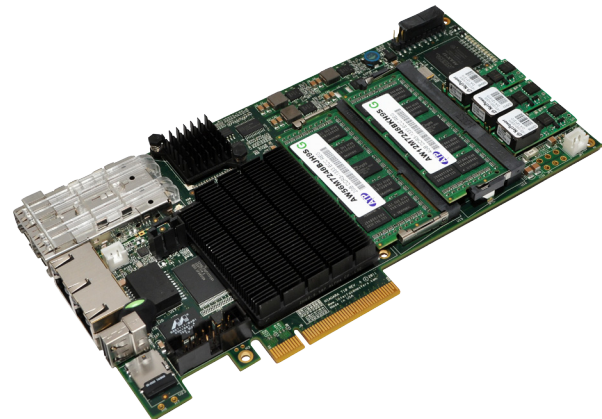


Overview

The Niagara 710 is a 10GbE dual port server adapter that leverages [Freescale's QorIQ™ P4080](#) octal core processor to address high speed networking applications. The server adapter is half length x8 PCIe form factor and optionally powered from an external power supply. This smart network adapter provides flexibility to developers for integration into a hosted development environment or as a standalone table top embedded system. The NIC comes with Linux development environment.

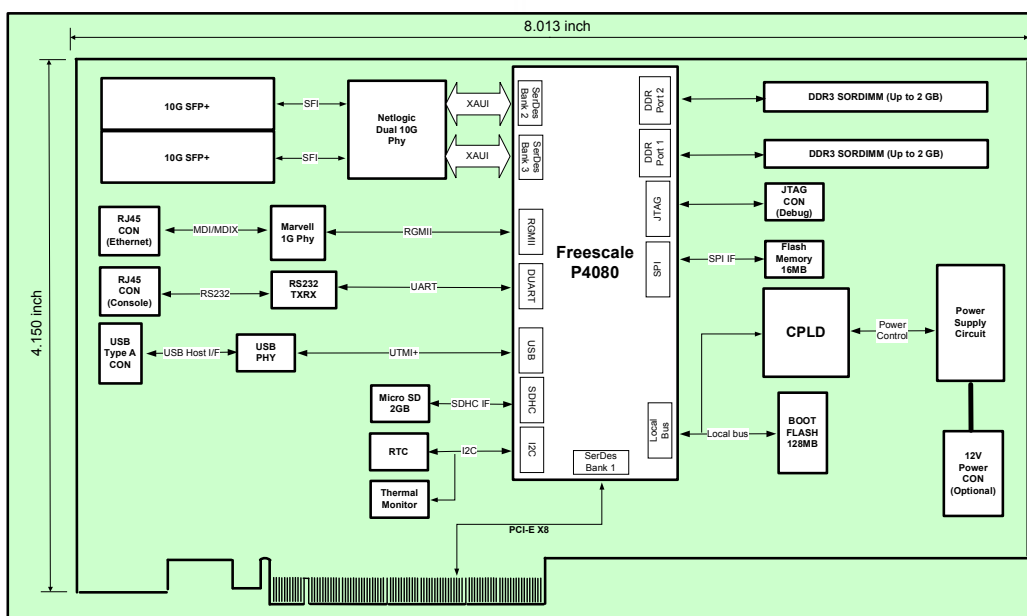


The Niagara 710 incorporates the hardware and software building blocks for developing of Intelligent networking platform that supports the growing demand for intelligent network acceleration and application offload for converged datacenter applications such as storage, security, deep packet inspection (DPI), Firewall, WAN Optimization, and application delivery (ADC) computing.

Features

- PCI-e x8 full height half length
- [QorIQ P4080E QorIQ](#) multicore communications processor, built on Power Architecture technology
 - » 1.3GHz core operation(upgradable to 1.5GHz)
- Memory
 - » Dual 1GB DDR3 SoDIMM(upgradeable to 8Gb total)
 - » 128 MB NOR flash memory
 - » 16 MB SPI ROM
- Dual 10G SFP+ cages
- Management port 1000BaseTX with RJ45 connector
- mini SD/MMC card slot
- USB Type A port
- Serial console port
- Battery backed RTC
- Software tools
 - » Linux 2.6.35 or later kernel
 - » LTIB SDK
 - » Host interface tools
 - » Cross compile and native GNU tool chain
 - » Linux host driver

Block Diagram



Environmental

Operating Temperature	0°C – 50°C (32°F - 122°F)
Operating Humidity	5 to 95%
Maximum power consumption	30 Watts (Without Transceivers)
Airflow	200 lf/m

Dimensions

	mm	inches
Length	203.530	8.013
Height	105.410	4.150

Ordering Part Numbers

Part Number	Description
Niagara 710	Dual Port 10Gb Fiber Smart Network Adapter

Product Line

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

About Us

Interface Masters Technologies is a leading vendor in the Bypass Networking market, based in the heart of the Silicon Valley. Interface Master's expertise lies in Gigabit and 10 Gigabit networking solutions that integrate with monitoring, inline networking, security, central office and other mission-critical IT appliances. Flagship product lines include specialized internal server adapter cards, embedded switch cards, and external intelligent Network Bypass and failover systems that increase network reliability and inline appliance availability.

Offering over 70 products based on Fast Ethernet, Gigabit Ethernet, and 10 Gigabit Ethernet, Interface Master's adds value to the mission-critical IT sector requiring Security, UTM, Storage Area Networks (SAN), Intrusion Detection & Prevention, QoS, Packet Classification and WAN Acceleration appliances. Company Headquarters are located in San Jose, California with satellite offices in Hong Kong, Germany and the UK.



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TECHNOLOGIES

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