ForeRunner 200E Series NICs

For ATM Servers and Workstations

Key Benefits

- Industry's best ATM software
- Off-load of communications processing from the host to the NIC, improving performance and extending capabilities
- Support for a broad range of computers and operating systems

Key Features

- ForeThought® software support
- Coprocessor design
- Marconi-designed ASICs

Extend Your Server Capabilities

The ForeRunner 200E series from Marconi™ is a set of 155 Mbps asynchronous transfer mode (ATM) network interface cards (NICs) designed for mid-range server and workstation environments. Based on an advanced application-specific integrated circuit (ASIC) technology, with programmable firmware and an Intel i960 coprocessor, each ForeRunner 200E series NIC is tuned to the particular input/output (I/O) architecture of the host computer.

Marconi

TECHNICAL SPECIFICATIONS

Hardware

Architecture: . . . . .Marconi-designed SAR ASIC and an Intel i960 coprocessor

ATM adaptation layer (AAL) support: AAL5

Cabling: . . . . .Duplex 62.5 μm/125 μm multimode fiber, 2,000 m (6,561.68 ft) maximum, 10 dB loss; or 2-pair, 100 ohm Category 5 UTP or screened Category 5 UTP, 100 m (328.08 ft) maximum

Compliance: . . . . .ATM cell processing per ANSI T1S1 5/92-002R3, ITU I.361, ATM Forum UNI 3.0/3.1

Connectors: . . . . .ST and SC for multimode; RJ-45 for Category 5 UTP

DMA support: . . . . .32-bit burst mode; bus master "fly-by" scatter-gather; supports block transfers of up to 16 words; full 32-bit data path

Form factor: . . . . .Single-slot NIC; variable dimensions by bus architecture support

Memory: . . . . .256 KB on-board RAM

Software

Interface: . . . . .Transparent standard protocol interface; Windows NT ATM application program interface (API) library

Management: . . . . .ATM cell statistics, cell errors and virtual path identifier (VPI)/ virtual channel identifier (VCI) information (all operating environments)

Switched virtual circuit (SVC)/
permanent virtual circuit (PVC) support: . . . . .Up to 1,024 virtual circuits

User-to-network interface (UNI): . . . . .UNI 3.0/3.1; LAN Emulation (LANE) 1.0; RFC 1577

General

Compliance: . . . . .FCC Part 15, Class A; UL 1950

Dimensions: . . . . .H: 1.5 cm (0.59 in.); W: 12.7 cm (5 in.); D: 23.8 cm (9.37 in.)

Environmental
  Operating humidity: . . . . .20% to 80%, non-condensing, at 104° F (40° C)
  Operating temperature: . . . . .32° F to 104° F (0° C to 40° C)

Power requirements: . . . . .2 amps maximum @ +5 V

Weight: . . . . .0.235 kg (0.518 lb)

Ordering Information

ForeRunner PCA‑200E PCI Bus*

PCA-200EPC/UTP5
155 Mbps Category 5 UTP, RJ-45 connector

105-5101-500
Part number PCA-200EPC/UTP5 at a discount when ordered with an LE series switch

PCA-200EPC/OC3SC
155 Mbps OC-3 multimode fiber (MMF), SC connector (square)

105-5112-500
Part number PCA-200EPC/OC3SC at a discount when ordered with an LE series switch

PCA-200EPC/OC3ST
155 Mbps OC-3 MMF, ST connector (round)

PCA-200EPC/SMF
155 Mbps OC-3 single mode fiber (SMF), SC connector (square)

ForeRunner SBA‑200E S Bus*

SBA-200E/UTP5
155 Mbps Category 5 UTP, RJ-45 connector

105-6101-500
Part number SBA-200E/UTP5 at a discount when ordered with an LE series switch

SBA-200E/OC3SC
155 Mbps OC-3 MMF, SC connector (square)

105-6112-500
Part number SBA-200E/OC3SC at a discount when ordered with an LE series switch

SBA-200E/OC3ST
155 Mbps OC-3 MMF, ST connector (round)

* Includes CD with driver set for all platforms with "*"; others available on the Web or in-box on Windows; update to drivers with "*" are available on the Web to support listed releases: Windows NT 4.0*, Windows 2000, Windows 9x*, Netware 4.2-–5.1*, AIX 4.2.1–4.3.3*, IRIX 6.5.5 and prior, Solaris 7–8*, HP UX 11.0 and prior, OS/2 Warp 3.0, OS/2 Warp 4.0, Mac OS 7.6, Digital/Compaq UNIX 4.0a