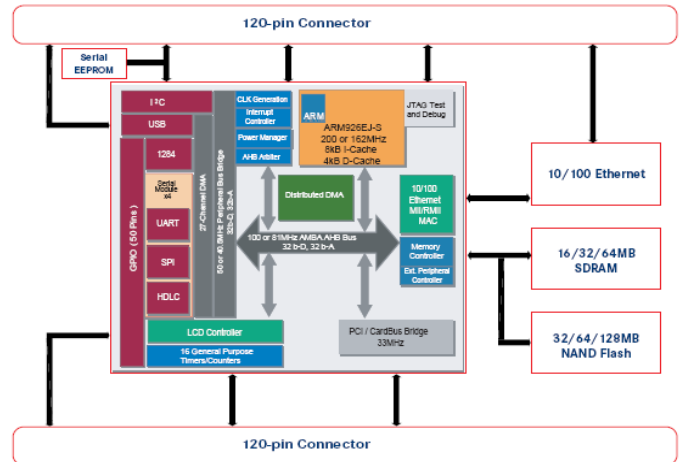


ConnectCore™ 9P



Compact high-performance 32-bit NET+ARM processor module family combines superior performance and design integration flexibility with complete embedded software platform support.



Features/Benefits

- 240-pin core processor module in compact 60 x 44 mm form factor
- Powerful 32-bit NET+ARM processor
 - NS9750/9360 with ARM926EJ-S core
- Up to 128 MB Flash / 128 MB RAM
- On-board 10/100 Ethernet MAC/PHY
- Up to 4 high-speed serial ports
 - UART and SPI configurations
- USB host and device mode support
- Fast-mode I²C hardware interface
- On-chip LCD controller (TFT/STN)
- Integrated Real-Time Clock w/support for external battery backup
- Up to 73 shared GPIO port options
- External memory bus interface
- PCI v2.2/Cardbus option (NS9750)
- Complete development platform support offers software design flexibility
 - NET+OS®, LxNETES™ Linux and Microsoft® Windows® CE 5.0

Overview

The ConnectCore 9P modules are part of the ConnectCore embedded core processor module family combining superior performance and a complete set of integrated peripherals and component connectivity options in a compact and versatile form factor.

Built on leading NetSilicon® 32-bit NET+ARM technology, the network-enabled ConnectCore 9P family provides a modular and scalable core processor solution that significantly minimizes software and hardware design risk and dramatically improves the time-to-market aspects of your product development process.

The wide range of available embedded software platform options makes it the ideal choice for your network-enabled product solutions, whether your application requires the small footprint, fast response time, and secure networking offered by our ThreadX®-based NET+OS environment, the comprehensive and scalable set of feature-complete high-level software components and applications of Microsoft Windows CE, or the flexibility and power of the open Linux environment and its extensive software library.

Complete and royalty-free development kits supporting the NET+OS, LxNETES Linux, and Microsoft Windows CE environments are available for platform evaluation and product development use. All development kits include a development board, hardware debugging options, board support packages, sample code, documentation, cables, and related accessories.



Features/Specifications

HARDWARE

ConnectCore 9P 9750

- 32-bit NET+ARM (ARM926EJ-S) high-performance RISC processor NS9750 @ 200 MHz
- Up to 128 MB NAND Flash and 64 MB SDRAM
 - Standard population 32 MB Flash and 16 MB RAM
- Integrated 32-bit PCI v2.2/Cardbus Bridge (33 MHz)
- 16 General Purpose Timers/Counters
- Up to 50 GPIO port options

ConnectCore 9P 9360

- 32-bit NET+ARM (ARM926EJ-S) high-performance RISC processor NS9360 @ 177 MHz
- Up to 128 MB NAND Flash and 128 MB SDRAM
 - Standard population 32 MB Flash and 32 MB RAM
- 8 General Purpose Timers/Counters or 4 PWM functions
- Up to 73 GPIO port options

ConnectCore 9P Family

- Integrated 10/100 Mbps Ethernet MAC/PHY
- Up to four serial interfaces w/UART and SPI mode
- Integrated USB 2.0 compliant host/device interface
 - Full speed (12 Mbps) and low speed (1.5 Mbps) mode
- On-chip I²C bus interface (100/400 kHz)
- Flexible LCD controller with support for TFT/STN displays
 - Up to SVGA resolution with up to 18/24 bpp
- External memory bus interface
 - 32-bit data bus and 28-bit address bus
- Real-Time Clock (RTC) w/support for external battery backup
- 8 KB serial EEPROM for configuration storage
- On-board JTAG interface

DEVELOPMENT KITS

- NET+OS 6.1
 - Hardware debugger
 - GNU development tool chain
 - gcc v3.2.1, Insight v5.1.1
 - binutils v2.13.1, newlib v1.11.0
 - ThreadX™ RTOS
 - Fusion™ TCP/IP stack
 - DNS, SNMPv2, LDAP, POP, SMTP, PPP, FTP, SNTP, Telnet, FastIP, Fast Sockets, Multi-Homing
 - Universal IP address assignment
 - Static IP, DHCP, BOOTP, Auto-IP
 - Allegro embedded web server
 - SSL/TLS with DES/3DES/AES encryption
 - Flash/RAM file system with wear-leveling
 - SMICng SNMP MIB compiler
 - Micro XML SAX parser
- Microsoft Windows CE 5.0
 - Complete BSP (Board Support Package) for Microsoft Windows CE 5.0 w/source code
 - Boot loader (U-Boot)
 - On-chip Ethernet
 - USB Host
 - Display driver (LCD)
 - Touch Screen
 - PCI
 - LxNETES 3.1
 - Linux kernel v2.6.11
 - GNU development tool chain
 - gcc v3.3.3, gdb v6.2
 - uClibc v0.9.26, Busybox v1.00 pre-built
 - File system support for JFFS2 and NFS
 - I²C, USB, PCI, EEPROM support
 - BOA single-tasking HTTP server

All development kits provide sample code and documentation, development board with hardware support for Ethernet, RS232, USB, CAN bus, audio, LCD, touch screen, Mini PCI, CompactFlash, and a power supply.

MODEL.....PART NUMBERS

Model	North America	International
CC9P 9750 NET+OS 6.1 Development Kit	FS-9053	FS-9053
CC9P 9750 LxNETES 3.1 Development Kit with 5.7" LCD (TFT) and touch screen	FS-9033	FS-9033
CC9P 9750 Microsoft Windows CE 5.0 Kit with 5.7" LCD (TFT) and touch screen	FS-9034	FS-9034
CC9P 9360 LxNETES 3.1 Development Kit with 5.7" LCD (TFT) and touch screen	FS-9065	FS-9065
CC9P 9360 Microsoft Windows CE 5.0 Kit with 5.7" LCD (TFT) and touch screen	FS-9066	FS-9066

Please contact us for additional part number information or visit our website.

ENVIRONMENTAL

- Storage temperature: -50° C to +125° C (-58° F to +257° F)
- Operating temperature: 0° C to +70° C (+32° F to +158° F)
- Relative humidity: 5% to 90% (non-condensing)
- Altitude: 12,000 feet (3658 meters)

POWER REQUIREMENTS

ConnectCore 9P 9750

- 3.3VDC @ 600 mA (max)

ConnectCore 9P 9360

- 3.3VDC @ 400 mA (max)

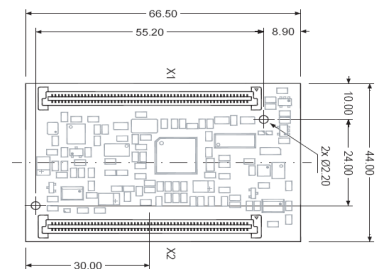
ETHERNET INTERFACE

- Standard: IEEE 802.3
- Physical layer: 10/100Base-T
- Data rate: 10/100 Mbps (auto-sensing)
- Mode: Full or half duplex (auto-sensing)

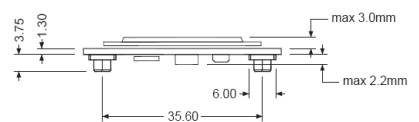
DIMENSIONS

- Length: 2.362 in (6.0 cm)
- Width: 1.732 in (4.4 cm)
- Height: 0.395 in (1.0 cm)

Bottom View



Side View



All measurements in millimeter



DIGI SERVICE AND SUPPORT

You can purchase with confidence knowing that Digi is here to support you with expert technical support and a strong five-year warranty. <http://support.digi.com>

Digi International
11001 Bren Road E.
Minnetonka, MN 55343, USA
PH: 877-912-3444
952-912-3444
FX: 952-912-4952
Email: info@digi.com
www.digi.com

Digi International GmbH
Joseph-von-Fraunhofer Str. 23
D-44227 Dortmund
Germany
PH: +49-231-9747-0
FX: +49-231-9747-111
www.digi.de

Digi International (HK) Ltd.
Suite 1703-05, 17/F., K Wah Centre
191 Java Road
North Point, Hong Kong
PH: +852-2833-1008
FX: +852-2572-9989
www.digi.cn

FS Forth-Systeme GmbH
Kueferstrasse 8
79206 Breisach
Germany
PH: +49 7667 908-0
FX: +49 7667 908-200
Email: sales@fsforth.de
www.fsforth.de

Sistemas Embebidos S.A.
Calvo Sotelo 1 - 1ª Dcha
E-26003 Logroño
(La Rioja) - España
PH: +34 941 27 00 60
FX: +34 941 23 77 70
Email: sistemas@embebidos.com
www.embebidos.com

NetSilicon
411 Waverley Oaks Road #304
Waltham, MA 02452, USA
PH: 800-243-2333
781-647-1234
FX: 781-893-1338
Email: info@netsilicon.com
www.netsilicon.com

© 2005 Digi International Inc.

Digi, Digi International, the Digi logo, the Making Device Networking Easy logo, ConnectCore, FS Forth, the FS Forth A Digi International company logo, NetSilicon, NET+Works, NET+, NET+OS, and LxNETES are trademarks or registered trademarks of Digi International, Inc in the United States and other countries worldwide. ARM and NET+ARM are trademarks of ARM Limited. Microsoft and Windows are either registered trademarks or trademarks of Microsoft Corporation in the United States and/or other countries. All other trademarks are the property of their respective owners.

91001351
A1/805



**Стандарт
Электрон
Связь**

Мы молодая и активно развивающаяся компания в области поставок электронных компонентов. Мы поставляем электронные компоненты отечественного и импортного производства напрямую от производителей и с крупнейших складов мира.

Благодаря сотрудничеству с мировыми поставщиками мы осуществляем комплексные и плановые поставки широчайшего спектра электронных компонентов.

Собственная эффективная логистика и склад в обеспечивает надежную поставку продукции в точно указанные сроки по всей России.

Мы осуществляем техническую поддержку нашим клиентам и предпродажную проверку качества продукции. На все поставляемые продукты мы предоставляем гарантию .

Осуществляем поставки продукции под контролем ВП МО РФ на предприятия военно-промышленного комплекса России , а также работаем в рамках 275 ФЗ с открытием отдельных счетов в уполномоченном банке. Система менеджмента качества компании соответствует требованиям ГОСТ ISO 9001.

Минимальные сроки поставки, гибкие цены, неограниченный ассортимент и индивидуальный подход к клиентам являются основой для выстраивания долгосрочного и эффективного сотрудничества с предприятиями радиоэлектронной промышленности, предприятиями ВПК и научно-исследовательскими институтами России.

С нами вы становитесь еще успешнее!

Наши контакты:

Телефон: +7 812 627 14 35

Электронная почта: sales@st-electron.ru

Адрес: 198099, Санкт-Петербург,
Промышленная ул, дом № 19, литера Н,
помещение 100-Н Офис 331