imall

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from, Europe, America and south Asia, supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts, Customers Priority, Honest Operation, and Considerate Service", our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip, ALPS, ROHM, Xilinx, Pulse, ON, Everlight and Freescale. Main products comprise IC, Modules, Potentiometer, IC Socket, Relay, Connector. Our parts cover such applications as commercial, industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

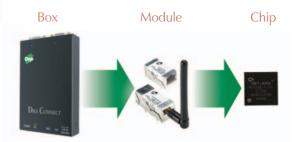
Tel: +86-755-8981 8866 Fax: +86-755-8427 6832 Email & Skype: info@chipsmall.com Web: www.chipsmall.com Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



Digi Connect ME[®] Family

Wired and Wireless Embedded Modules

The industry's first interchangeable secure wired and wireless embedded modules with plug-and-play functionality and comprehensive development tools make it easy to add embedded web-enabled wired and wireless network connectivity.



Seamless migration to total integration Future proof protection - software development migrates fully to chip solutions.

Features/Benefits

- Interchangeable and pin-compatible single-component solution based on 32-bit NET+ARM processor
- 2 MB/4 MB Flash and 8 MB RAM
- High-speed TTL serial interface with up to 230 Kbps throughput
- Wireless Ethernet network interface - 802.11b with up to 11 Mbps
 - Strong WPA2/802.11i security with TKIP/AES encryption
 - Radio pre-certification in North America, EU and Japan reduces cost, risk, and time-to-market
- Wired Ethernet network interface - Auto-sensing 10/100Base-T
 - Innovative power pass-through for network powered products
- Five shared GPIO port options
- Low power consumption and industrial temperature range
- Strong SSL/TLS encryption with NIST certified AES algorithm for security sensitive environments
- Plug-and-play firmware option eliminates embedded software development effort
- Easy-to-use and royalty-free NET+Works development platform for custom application development

www.digi.com

Overview

The advances of personal computers and the proliferation of the Internet have laid the groundwork for an era in which billions of networked electronic devices will work invisibly and jointly with each other and with people. The introduction of wireless technology into this rapidly emerging world of ubiquitous networking creates a new dimension of network collaboration that complements existing wired infrastructures. Making the right network technology decisions is a key factor for market success and defines the competitive edge of your products.

The Digi Connect ME family of secure embedded modules enables original equipment manufacturers to keep pace with ever-evolving networking technology by delivering complete and versatile embedded network connectivity solutions. They are cost-effective and easy to implement in existing and new product designs, while powerful enough to meet future product performance needs.

Based on a unique common platform design approach, the Digi Connect ME and Digi Connect[®] Wi-ME embedded modules offer complete "drop-in" integration. This allows you to build future-proof products based on a single design supporting secure wired 10/100Base-T and 802.11b wireless Ethernet connectivity. The family of Digi Connect[®] embedded modules makes all of this possible without the traditional complexities of hardware and software integration work, and at a fraction of the time and cost required to create custom solutions.

Makino

Built on leading NetSilicon[®] 32-bit NET+ARM technology, the Digi Connect ME embedded modules also provide a seamless migration path to a fully integrated systemon-chip solution. They combine true plug-and-play functionality with the freedom and flexibility of complete software customization using the proven NetSilicon NET+Works[®] development platform.

An integration kit and a complete development kit containing a development board, documentation, sample code, cables and accessories are available for evaluation and development use. DICI

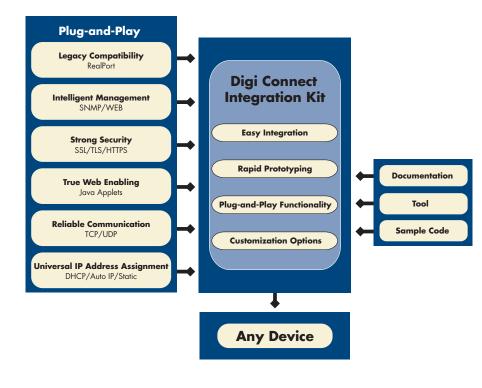
Please contact us at 1-877-OEM-DIGI or 952-912-3444 for additional information or to discuss your specific application requirements.

Plug-and-Play Modules

The Digi Connect ME and Digi Connect Wi-ME embedded modules with plug-and-play firmware dramatically reduce time-to-market by eliminating the need for embedded hardware and software development. They deliver instant and completely transparent wired and wireless device server networking functionality, with the flexibility of web-based customization options.

Unique and industry-leading features such as a robust TCP/IP stack, universal IP address assignment, integrated web server with user file system, fully customizable web user interface, custom Java applet support, enhanced security with strong DES/3DES/AES encryption based on the SSL/TLS standard, intelligent device management via SNMP, and patented RealPort[®] COM/TTY port redirection make it an ideal solution for any application that requires versatility and performance.

The Digi Connect Integration Kit provides a platform for evaluation, rapid prototyping, and integration of Digi Connect embedded modules with plug-and-play firmware. It offers all tools, sample code, and documentation that make product integration and web-based product customization possible.





SOFTWARE FEATURES

- Robust on-board TCP/IP stack with built-in web server
 - TCP, UDP, DHCP, SNMP, SSL/TLS, Telnet, Rlogin, RFC 2217, LPD, HTTP/HTTPS, SMTP, ICMP, IGMP, ARP
- Universal IP address assignment
 Static IP, DHCP, Auto-IP
- Secure web user interface (HTTP/HTTPS) with context-sensitive online help
- Pre-defined and custom device profiles
- Customizable web interface with optional Java applet support - File system w/512 kb user space
- Telnet Command Line Interface
- Modem emulation

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- Serial configuration interface
- Command line, RCIUser-defined network service/port
- configuration - HTTP/HTTPS, Telnet, Rlogin, ADDP,
- SNMP, RealPort, SSL/TLS, TCP/UDP TCP/UDP forwarding characteristics
- Bytes, Idle Time, Data Pattern
- User-configurable TCP/UDP
 Socket ID
- Event notification via email/SNMP traps
 GPIO Status, Data Pattern
- Port logging
- Intelligent SNMP device management
 RFC 1213/1215/1316/1317
- Strong SSL/TLS based encryption - DES (56-bit), 3DES (168-bit), AES (128/256-bit)
- Patented RealPort[®] COM/TTY port redirection with encryption for Microsoft Windows, UNIX and Linux environments



DEVELOPMENT KIT FEATURES

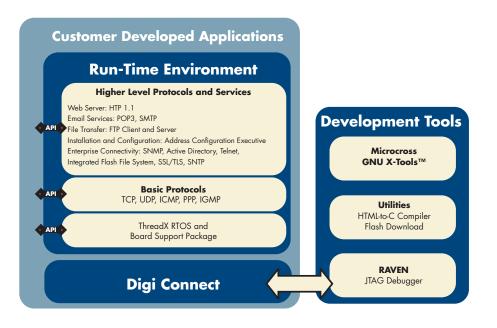
- Digi Connect embedded module w/JTAG
- Development board
- Macgraigor Raven JTAG debugger
- Microcross[™] GNU X-Tools with command line and visual GDB debugger
- ThreadX Realtime Operating System with picokernel[™] architecture
 - Less than 25 kb kernel code space
- Fusion™ TCP/IP stack with full networking protocol and extended network services support
 - TCP, UDP, ICMP, IGMP, DNS, SNMPv2, LDAP, POP, SMTP, PPP, FTP, SNTP, Telnet, FastIP, Fast Sockets, Multi-Homing
- Network device discovery (ADDP)
- Universal IP address assignment through Address Configuration Executive (ACE)
 - Static IP, DHCP, BOOTP, Auto-IP
- Allegro Software embedded web server
- SSL 3.0/TLS 1.0 with strong encryption
- DES, 3DES, AES
- Flexible and robust file system supporting RAM and Flash (with wear leveling)
- SMICng MIB complier
- Micro XML SAX parser
- Sample code
- Additional utilities
- HTML-to-C compiler
- Flash download
- Sample code
- Documentation
 - Hardware reference manual
- Programmer's guide
- API reference
- Advanced web server toolkit

Customizable Modules

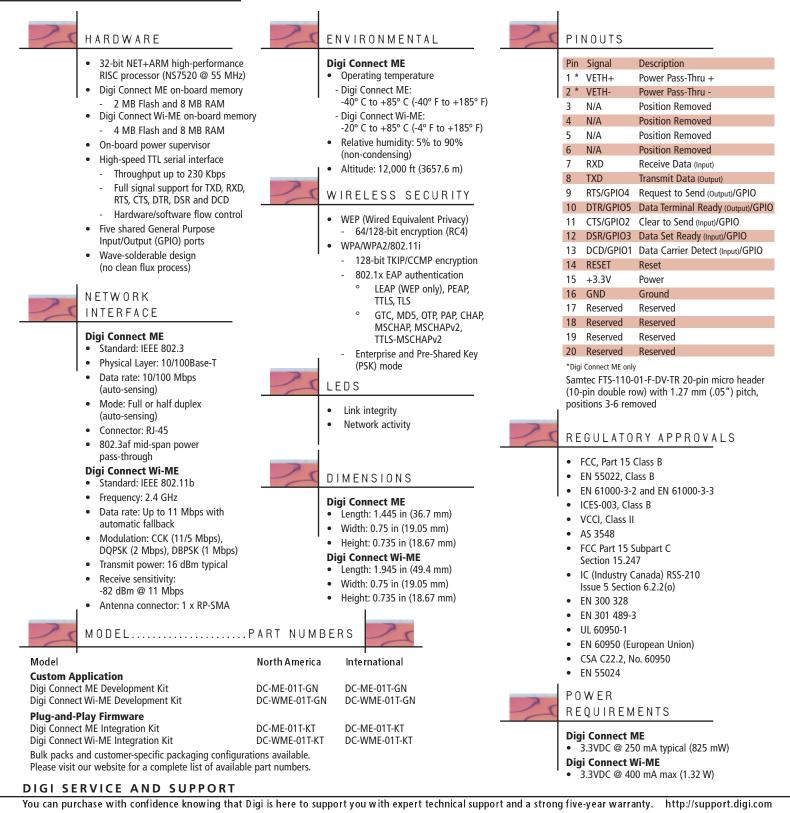
The customizable versions of the Digi Connect ME and Digi Connect Wi-ME embedded modules enable customers to quickly and cost-effectively implement and deploy application-specific and future-proof embedded software solutions for wired and wireless network environments, without the additional complexities of traditional hardware design efforts.

Based on the easy-to-use and royalty-free NetSilicon NET+Works development platform, the Digi Connect Development Kit delivers a complete out-of-the-box solution for embedded software development. It includes all the integrated building blocks that are required to quickly and cost-effectively create secure and fully network-enabled product solutions.

The common NetSilicon development platform minimizes design risk and significantly accelerates the overall embedded software development process. It provides a seamless migration path to a fully integrated NetSilicon system-on-chip solution using the awardwinning family of network-enabled NET+ARM processors.



Features/Specifications



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