PK70 EX NTP

Network Time Server
NTP Version

DATASHEET

Key Points

- Network Time Protocol (NTP) time server
- Precision GPS time reference keeps the system clock accurate
- Web page configuration
- High performance GPS receiver and antennae connector
- Customize with development kit

Device Connectivity

- 10/100Mbps Ethernet
- DEBUG UART
- SD/MMC flash card ready
- Standard SMA female connector

Performance and memory

- 32-bit 147.5 MHz Processor
- 8MB SDRAM and 4MB Flash

Companion development kit

The following is available with the development kit:

- Customize any aspect of operation including web pages, data filtering, or custom network applications
- Development software: NB Eclipse IDE, Graphical debugger, deployment tools, and examples
- Communication software: TCP/IP stack, HTTP web server, FTP, E-mail, and flash file system
- System software: uC/OS RTOS, ANSI C/C++ compiler and linker

The following optional software modules are not included with kit and are sold separately:

- Embedded SSL & SSH Security Suite (Module License Version)
- SNMP

Specifications

Processor
32-bit Freescale ColdFire 5270 CPU running at 147.5 MHz

Storage
SD/MMC Flash Card Interface with SDHC support (requires exclusive use of SPI signals)

Network Interface
10/100 BaseT with RJ-45 connector

GPS Interface
Accuracy < 10us

Data I/O Interface
- DEBUG UART
- Standard SMA female connector
- SD/MMC flash card ready

DEBUG Serial Port
RS-232 with up to 115,200 baud

LEDs
Link, Speed/Data, Power

Physical Characteristics
Dimensions (inches): 4.4" x 3.9" x 1.2"

Power
DC Input Voltage: 12V@150mA, 7-24V

Environmental Operating Temperature
0° to 70° C

RoHS Compliance
The Restriction of Hazardous Substances guidelines ensure that electronics are manufactured with fewer environment harming materials.

Agency Approvals
UL, C/UL, CE, FCC

PK70 EX NTP

Part Numbers

PK70 EX NTP Network Time Server
Part Number: PK70EX-NTP

PK70 EX NTP Development Kit
Part Number: NNDK-PK70EXNTP-KIT
Kit includes all the hardware and software you need to customize the included platform hardware. See NetBurner Store product page for package contents.

Note:
The kit does NOT include a GPS Antenna.

GPS Antenna
Part Number: NBANT-464

DIN Rail Mounting Kit (100 Version, double sided)
Part Number: DIN-100

DIN Rail Mounting Kit (200 Version, single sided)
Part Number: DIN-200

Embedded SSL & SSH Security Suite (Module License Version)
Part Number: NBLIC-SSL-MODULE
Available as an option if you are using a development kit.

SNMP V1 (Module License Version)
Part Number: NBLIC-SNMP
Available as an option if you are using a development kit.

Ordering Information

E-mail: sales@netburner.com
Online Store: www.Netburner.com
Telephone: 1-800-695-6828