

## Intellicon-NT960

- For Maximum Speed and Power, the Intellicon-NT960 is Built Around a Powerful 32 MHz Intel i960® RISC Processor, 512K to 2 MB of SRAM, 64K to 256K Dual Ported RAM and 128K FLASH EEPROM. These Features Substantially Reduce Serial I/O Bottlenecks on the Host CPU Resulting in Enhanced Performance For the Total System.
- Cirrus Logic® RISC CD1400 Communication Controllers, With 24 Byte FIFO Per Port, Offer High Speed Data Communications Up to 115.2 Kbps/Sec Per Port.
- You Can Software Select Options Such as Edit, Echo, I/O Flow Control, and Character Translation to be Processed on the Intellicon-NT960 Host Adapter. This Improves the Overall Performance of the Host System.



### HIGH PERFORMANCE

Today's computer applications are becoming more complex and rigorous, requiring high performance system hardware and peripherals. Connect Tech's Intellicon-NT960, a RISC-based intelligent multi-port I/O subsystem, meets this challenge by offering you one of the most powerful and flexible solutions for your serial I/O requirements.

### EXPANDABILITY

For the most demanding multi-user/multi-channel applications, the Intellicon-NT960 Host Adapter and the ACM/16 external module offer a modular approach to port expansion. One Intellicon-NT960 Host Adapter can handle up to 128 ports and you can install up to four Intellicon-NT960 Host Adapters in your computer for a total of 512 ports per system.

### HARDWARE FLEXIBILITY

If your application requires more flexibility than what other multi-port serial products provide, the Intellicon-NT960 subsystem offers the following hardware features:

- The Intellicon-NT960 subsystem requires only one 8K segment in the first megabyte of the memory address space.
- Provides both 8- and 16-bit data transfers.
- Supports both polled and interrupt modes.
- An optional on-board real-time clock and battery backup for activity triggering or date/time stamping of data.
- The highly modular and lightweight design of the ACM/16 external module allows you to easily integrate it into your application.

### SOFTWARE FLEXIBILITY

The hardware software architecture of the Intellicon-NT960 provides a powerful development platform for the most demanding applications.

- Programmers can download custom protocols to on-board FLASH EEPROM and SRAM.

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- The Intellicon-NT960 uses an industry standard Intel processor and a real-time executive based on NUCLEUS\* from Accelerated Technology Inc. Both of these products offer a broad range of third-party development tools, making custom software development faster and easier.

**SOFTWARE COMPATIBILITY**

The Intellicon-NT960 comes with device drivers for most of the popular operating systems such as SCO UNIX, UNIXWARE, DOS, and QNX. All device drivers are developed and maintained in house by our team of experienced software engineers.

**TECHNICAL SPECIFICATIONS  
Intellicon-NT960 I/O Subsystem Parts**

| Intellicon-NT960 part   | Part Number        |
|---|--------------------|
| Intellicon-NT960 Host Adapter c/w 512K SRAM (16-32 port configurations):  | NTHOST512          |
| Intellicon-NT960 Host Adapter c/w 2 MB SRAM (33-128 port configurations):   | NTHOST2MB          |
| Intellicon-NT960 Bus Cable - 6 ft. long   | NTCAB              |
| Intellicon-NT960 ACM/16 External Module   | NTACM16V2          |
| Intellicon-NT960 Universal Power Supply with AC Line Cord (North America) or Intellicon-NT960 Universal Power Supply without AC Line Cord (International) (one required for every 48 ports connected) | NTUPSLC<br>NTPS220 |
| Intellicon-NT960 ACM/16 Power Cable (required for linking power between multiple Intellicon-NT960 ACM/16 modules)   | NTACMPC            |

**Intellicon-NT960 Hardware Configurations**

| Intellicon-NT960 parts<br>(qty. required for configuration ) | Number of Ports |    |    |    |    |    |     |     |
|--|-----------------|----|----|----|----|----|-----|-----|
|  | 16              | 32 | 48 | 64 | 80 | 96 | 112 | 128 |
| Intellicon-NT960 Host Adapter - 512K                         | 1               | 1  |    |    |    |    |     |     |
| Intellicon-NT960 Host Adapter - 2 MB                         |                 |    | 1  | 1  | 1  | 1  | 1   | 1   |
| Intellicon-NT960 Universal Power Supply                      | 1               | 1  | 1  | 2  | 2  | 2  | 3   | 3   |
| Intellicon-NT960 Bus Cable                                   | 1               | 1  | 1  | 1  | 1  | 1  | 1   | 1   |
| Intellicon-NT960 ACM/16 External Module                      | 1               | 2  | 3  | 4  | 5  | 6  | 7   | 8   |
| Intellicon-NT960 ACM/16 Power Cable                          | 0               | 1  | 2  | 3  | 4  | 5  | 6   | 7   |

**ENHANCED FEATURES**

Transparent print allows the concurrent operation of printers attached to terminals while the terminal is in use. One port for both printer and terminal offers users a more cost effective print solution for their application.

**EASE OF USE**

The Intellicon-NT960 subsystem comes with software device drivers, and a comprehensive installation manual. Software installation is customized to use the standard interface provided with the operating system. Easy to read jumpers and DIP switches allow you to select available Interrupt Request Lines, Memory Addresses and I/O Port Addresses for the Intellicon-NT960 subsystem.

**DEVICE DRIVER SUPPORT**

SCO UNIX; UnixWare; Interactive UNIX; QNX 2.XX; QNX 4.XX (call Connect Tech for most current list)

**SYSTEM REQUIREMENTS**

One full ISA expansion slot  
 One available IRQ line  
 One available 8 KB segment in the first Megabyte memory address space

**WARRANTY**

1 year parts and labor  
 Shipping weight : @ 3 KG (6 lb.)