

# Specifications

## Intellicon NT960 hardware configurations

Intellicon NT960 parts	Number of Ports							
(Quantity required for configuration)	16	32	48	64	80	96	112	128
Intellicon NT960 Host Adapter – 512K	1	1						
Intellicon NT960 Host Adapter – 2MB			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/16/16RJ/Flex16 module	1	2	3	4	5	6	7	8
Intellicon NT960 ACM/16, Flex-16 power cable *	0	1	2	2	3	4	4	5

Note: \* the power supply and power cable quantities for the configurations above are for RS-232 and 20mA Current Loop only. RS-485/422 configurations require one power supply for every 32 ports



### Warranty and Service

Connect Tech, an ISO 9001 registered company, has provided high performance communication solutions since 1985, building and testing products to meet high standards of quality and reliability. This reputation is built on Connect Tech's expertise in the design and manufacture of serial communications hardware and software. With us you have direct access to a team of experts experienced at understanding your requirements - from software design to hardware manufacturing, testing, training and support. Intellicon NT960 products are covered by our excellent no cost customer support and a lifetime warranty. At Connect Tech our business is customer satisfaction.

## Intellicon NT960 host adapter

Memory	(16-32 ports) 1MB SRAM 64K Dual Ported RAM 128K FLASH EEPROM	(33-128 ports) 2MB SRAM 256K Dual Ported RAM 128K FLASH EEPROM
Processor	32 MHz Intel™ 80960 32bit RISC processor	
I/O addresses	DIP switch selectable, 100 - 3FC (Hex)	
Interrupts	IRQ lines are jumper selectable 3, 4, 5, 6, 7, 9, 10, 11, 12, 14 or 15	
Memory addresses	DIP switch selectable, C0000 – FE000 (Hex)	
Operating environment	Temperature (operating): 0° - 70° C Temperature (storage): -60° - 100° C Humidity: 0 – 90% no condensing	
Power requirements	+5 VDC: 900 mA typical, 1.2 A maximum +12 VDC: 20 mA typical, 50 mA maximum	
Dimensions	Length: 33.60 cm	Height: 10.60 cm

### ACM modules

	ACM/16	ACM/16RJ	ACM/Flex16
Number of ports (module)	16 asynchronous ports		
Interface	RS-232C		RS-232C and/or RS-485/422 and/or 20mA Current Loop (interfaces on SLIMS)
Connectors	DB-9	RJ-45	DB-9
Communication controllers	CLCD1400 RISC UARTs		
FIFO	24 bytes TxD/RxD FIFOs per port		
Baud rates	50 bps – 115.2 Kbps		
Data bits	5, 6, 7 or 8 bits (plus optional parity)		
Parity	Even, odd, no or forced parity		
Signals	DTR, DSR, RTS, CTS, RI, TxD, RxD, DCD	DTR, RTS, CTS, TxD, RxD, DCD	RS-232: DTR, DSR, RTS, CTS, RI, TxD, RxD, DCD RS-485/422: RTS ±, TxD ±, CTS ±, RxD ± 20mA: TxD, RxD (passive)
Max. number of ports	Up to 128 ports per host adapter (eight ACM/16 and/or ACM/16RJ and/or ACM/Flex16 modules)		
Operating environment	Temperature (operating): 0° - 70° C Temperature (storage): -60° - 100° C Humidity: 0 – 90% no condensing		
Power requirements	Intellicon NT960 universal power supply (one power supply required for every 48 ports)		RS-232, 20mA: one Intellicon NT960 universal power supply required for every 48 ports RS-485/422: one Intellicon NT960 universal power supply required for every 32 ports
Dimensions	length: 32.81 cm width: 11.56 cm height: 4.06 cm	32.85 cm 11.55 cm 4.84 cm	32.81 cm 14.10 cm 4.06 cm
Shipping weight	0.76 kg	0.84 kg	0.84 kg

**Device driver support:**  
DOS, Interactive UNIX, Linux, LynxOS, QNX, SCO UNIX, UNIXWARE, Windows NT (call for current list)

**System requirements**  
One full ISA expansion slot;  
one available IRQ line; one available 8KB segment in the first megabyte memory address space.



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