

PARALLEL HAWKE

NATO Hawke

The NATO HAWKE supports NATO STANAG 4146 Type C only. It uses differential drivers and receivers but otherwise operates the same as the rest of the Parallel HAWKE family. The NATO HAWKE also supports internal loopback testing without disconnecting cables.

Features

A complete description of the Parallel HAWKE family includes all the features and capabilities described in the HAWKE FAMILY SECTION of this catalog, as well as those listed below:

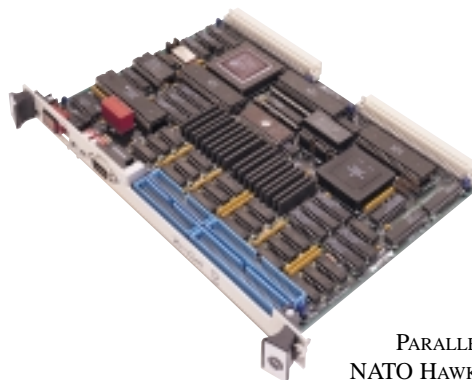
- Full-duplex 8,16, or 32 bit NTDS transfers
- Computer, Intercomputer, Peripheral, or Interperipheral modes
- User-programmable MC68020 CPU
- VIC068A/VIC64 VMEbus Interface Controller for 100% VMEbus compatibility
- High speed 32 bit Block Mode VME transfer
- 512KB RAM for NTDS I/O, CPU, and VMEbus access (2 MB on HAWKE-X)
- Dynamically allocate RAM for NTDS I/O or onboard programs
- User EPROM socket supports up to 1M byte of user programs
- Parallel access to NTDS data and word type
- Receive and transmit multiple forced EFs without loss
- Independent word count registers and time-out counters for NTDS input and output
- Operates as an A32/A24/A16:D32/D16/D8 bus master and A32/A24:D32/D16/D8 or A16/D8 slave
- Independent transmit and receive transaction cancel
- Built-in Test (BIT) on power up or reset
- Built-in menu-driven System Monitor program links HAWKE to PC or terminal via RS-232C port
- Built-in Assembler/Disassembler and Debugger
- Perform loopback and basic NTDS operations from a menu-driven interface
- Front panel LEDs for reset, bus error, user, halt, test and watchdog timer
- Up to 16 Parallel HAWKEs may be used in a single VMEbus system
- Active or passive tap capability

Specifications & Ordering Information

NATO Hawke

NTDS Interface:	STANAG 4146
VMEbus Interface:	VME Revision C.1 (IEEE P1014)
Processor:	MC68020, 32-bit CPU
RAM:	512 Kbytes
NTDS I/O Connectors:	Dual 50 pin and 34 box headers
RS-232C Connector:	DB9 male
Form Factor:	Single-wide 6U Eurocard
Weight:	510 g (1 lb. 2 oz)
Power Consumption:	+5Vdc @ 4.6 A N/A -12Vdc @ 0 mA
Operating Temperature:	0° C to +55° C
Relative Humidity:	0% to 90% (Noncondensing)
User EPROM:	8K bytes to 1M, bytes supported
Part Number:	NH-07101-00

Specifications subject to change without notice



PARALLEL
NATO HAWKE