PARALLEL HAWKE

Hawke-X A/B

The HAWKE-X A/B is the first of a new generation of Sabtech NTDS parallel interfaces which is 100% compatible with its predecessor, the HAWKE A/B. The HAWKE-X uses reliable surface mount technology and adds new features such as increased RAM (2 MB vs, 512 KB), a rotary switch for address select, field modifiable Flash EPROM, board stiffeners to enhance ruggedness, and access to front panel mounted connectors for full 32-bit NTDS I/O. The HAWKE-X also features 16-bit NTDS access through the P2 connector. An optional paddle board installed on the rear of P2 converts to the identical NTDS cable pinouts found on the front of the board. The HAWKE-X A/B has short circuit protected drivers, and front panel LEDs for all NTDS handshake lines. It is user selectable for either NTDS Type A (NTDS Slow) or B (NTDS Fast) operation.

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:

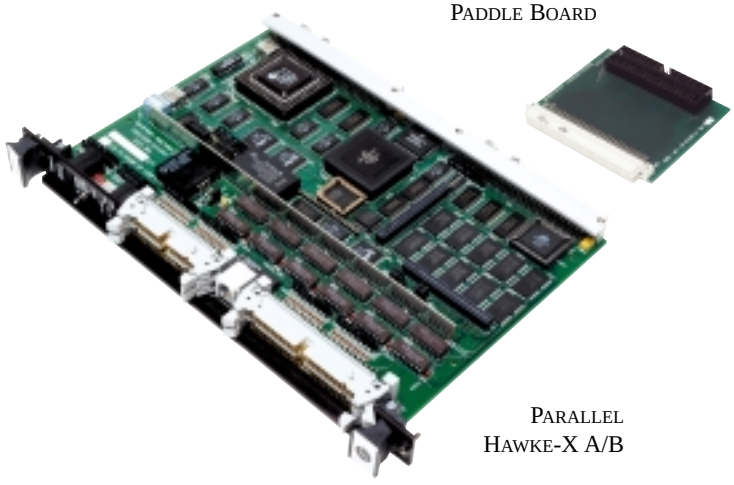
- Full-duplex 8,16, or 32 bit NTDS transfers
- Short circuit protected drivers
- Computer, Intercomputer, Peripheral, or Interperipheral modes
- User-programmable MC68020 CPU
- VIC068A/VIC64 VMEbus Interface Controller for 100% VMEbus compatibility
- High speed 32 bit Block Mode VME transfer
- 512KB 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

Hawke X A/B

NTDS Interface:	MIL-STD-1397C Type A or B
VMEbus Interface:	VME Revision C.1 (IEEE P1014)
Processor:	MC68020, 32-bit CPU
RAM:	2M bytes
NTDS I/O Connectors:	Dual 50 pin and 34 box headers or VMEbus P2 Connector
RS-232C Connector:	RJ-12 w/ DB9 male adapter
Form Factor:	Single-wide 6U Eurocard
Weight:	570 g (1lb. 4 oz)
Power Consumption:	+5Vdc @ 3.3 A
	+12Vdc @ 360 mA
	-12Vdc @ 250 mA
Operating Temperature:	0° C to +55° C
Relative Humidity:	0% to 90% (Noncondensing)
User EPROM:	8K bytes to 1M, bytes supported
Part Number:	**HK-01101-18**

Specifications subject to change without notice



Optional P2 Paddle Board

Parallel Hawke-X A/B

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