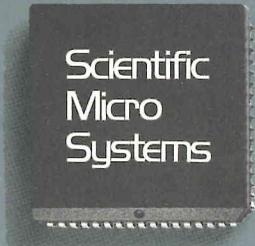


OMTI

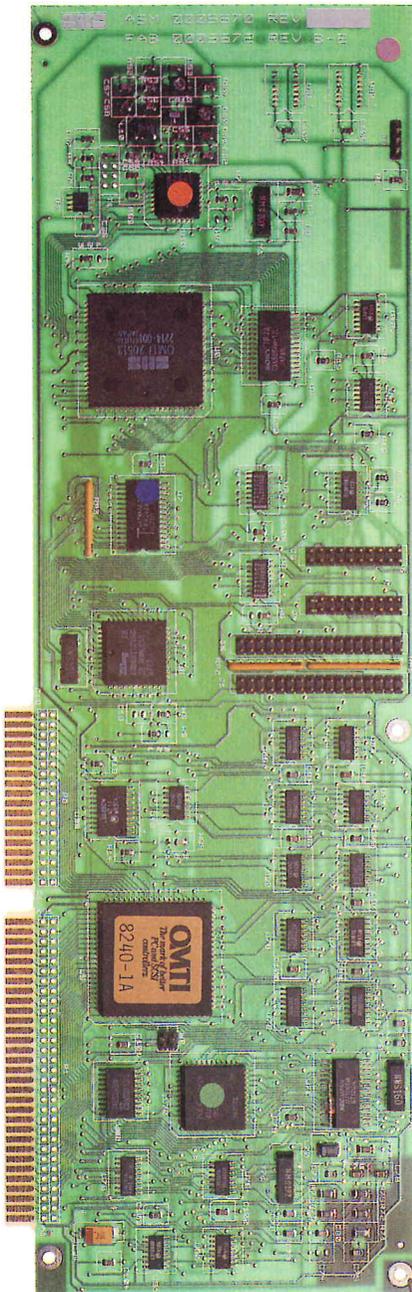
STORAGE CONTROLLERS FOR THE AT BUS

AT

A small, dark, rectangular logo with the text "Scientific Micro Systems" in white, sans-serif font. The logo is positioned at the bottom center of the page.

Scientific
Micro
Systems

8240 + 8247 AT COMPATIBLE CONTROLLERS



The 8240/47 (this page) and the 8620/27 cards (see opposite page) are all full-slot boards, with floppy disk support.

SIZE - 337 x 99mm
CURRENT - 1.0 Amp maximum
VOLTAGE - +4.75 — 5.25 VDC
MAX RIPPLE AND NOISE - 100mVolts
TEMPERATURE - 0 — 50 degrees Celsius
RELATIVE HUMIDITY - 10% — 95%
MAX WET BULB - 30 degrees Celsius non-condensing
ALTITUDE - 0 — 10,000 feet (Operational), 0 — 15,000 feet (Storage)

THE OMTI 8240 and 8247 are combined winchester and floppy disk controllers for the IBM AT and compatible computers (16 bit data path).

The 8240 and 8247 are both 'Plug and play' compatible with existing AT controllers, but with many added features, including higher performance rates and improved error checking for increased data reliability.

Minimum research and development time is required to integrate these products, and enjoy the benefits of their reliable, cost-effective design.

'PLUG AND PLAY' AT COMPATIBILITY

HIGH PERFORMANCE
(1:1 INTERLEAVE)

FULLY COMPATIBLE WITH NOVELL (v2.1)
and XENIX OPERATING SYSTEMS

IMPROVED DATA INTEGRITY
WITH 32 BIT ERROR CORRECTION CODE
ON MFM DRIVES

2.7 RLL INCREASES DISK CAPACITY BY
50% — AND IMPROVES PERFORMANCE

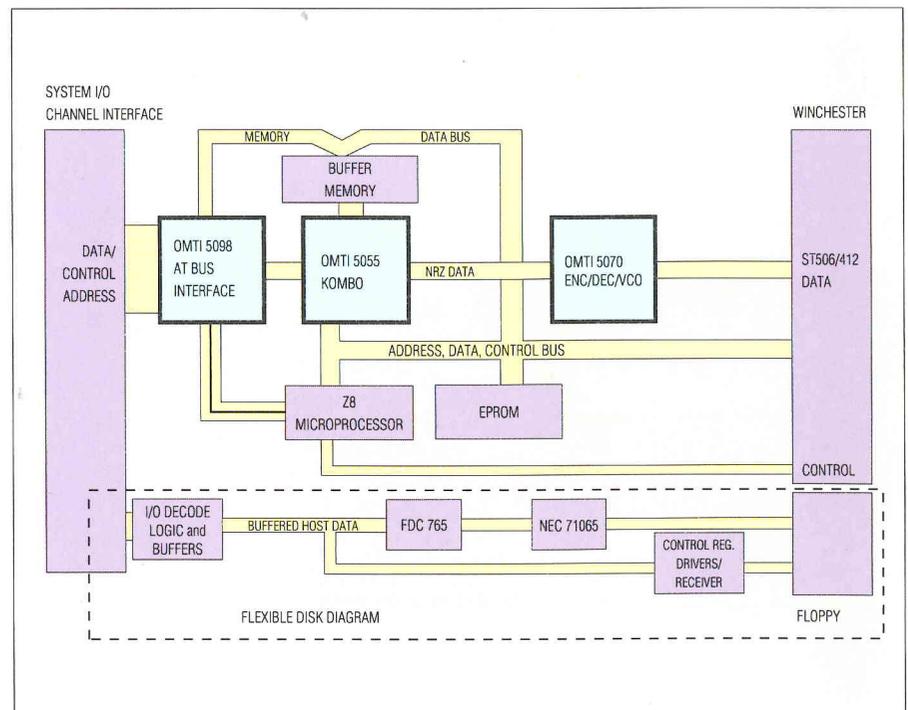
FEATURES

WINCHESTER DISKS

- Operates one or two ST412/506 compatible winchester disks.
- MFM encoded drives transfer data at 5 Mbit per second.
- RLL encoded drives transfer data at 7.5 Mbit per second.
- Supports 128, 256, 512 and 1024 bytes per sector.
- Concurrent data operations on winchester and floppy disks.
- Supports programmable sector interleave.
- Addresses up to 2048 tracks and 16 heads.
- 16 bit transfer width on AT bus.
- 2 KByte buffer minimum.

FLOPPY DISKS

- Operates one or two floppy drives (including 1.2 Mb).
- Supports 48 and 96 TPI drives plus the high density AT compatible drives.
- Supports 250, 300 or 500K bits per second transfer rate, including dual rotational speed floppies.
- Host has direct access to floppy disk controller chip.



THE LINE CARD

PRODUCT	WINCHESTER	ENCODING	FLOPPIES	TAPE	DIMENSIONS
	ST506/412 ESDI				mm
XT BUS					
5520	2	MFM			126 x 102
5527	2	RLL			126 x 102
6510	2	MFM			105 x 140
SCSI HOST ADAPTOR					
510/512					127 x 160
AT BUS					
8240	2	MFM	2		337 x 99
8247	2	RLL	2		337 x 99
8120	2	MFM			146 x 102
8127	2	RLL			146 x 102
8620	2 or 2	MFM	2		330 x 102
8627	2 or 2	RLL	2		330 x 102
SCSI BUS - COMMON COMMAND SET					
7100	2 or 2	MFM			146 x 203
7200	2 or 2	MFM	4		146 x 203
7400	2 or 2	MFM	4	QIC-02	146 x 203
3520	2	MFM			146 x 102
3527	2	RLL			146 x 102
SCSI BUS - OMTI COMMAND SET					
3100	2	MFM			146 x 102
3127	2	RLL			146 x 102
5100	2	MFM			146 x 203
5200	2	MFM	2		146 x 203
5400	2	MFM	2	QIC-02	146 x 203
SCSI BUS - OPTICAL STORAGE					
7902	2				146 x 203

OMTI also has powerful application specific ICs and custom design of BIOS for OEM applications

OMTI



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