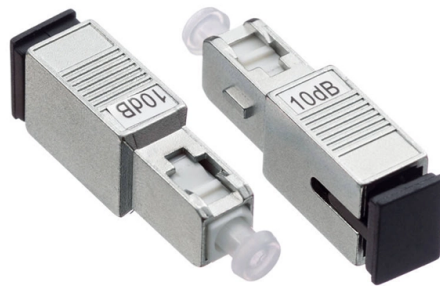


ST-506 Interface Card



Overview

Introduced in 1980 by Seagate Technology (then Shugart Technology), it stored up to 5 megabytes after formatting. The ST-506 and ST-412 (sometimes written ST506 and ST412) were early hard disk drives introduced by Seagate in 1980 and 1981 respectively, that later became construed as hard disk drive interfaces: the ST-506 disk interface and the ST-412 disk interface. This is a list of all ST-506 cards in the wiki. This list also includes composite devices, such as those cards that include a floppy controller or parallel. Even installing an older IDE hard drive would be sufficient, but a quick googling yielded no results. The only option I can think of is to find ISA IDE controller, but maybe I am missing something. All kind of tips and tricks welcome and appreciated. Long. When the Archimedes A300 range was launched there were two types of disc interface available; ST506 (or MFM) which was expensive but slow and SCSI which was very expensive but fast. Acorn left the hard disc interface off the A300 motherboard although they. In the early 1980's the so called "Winchester" ST-506 drives were by far the most commonly used drives.



Article Content

Feb 13, 2026

ST506 disk interface

The ST506 interface uses two flat cables, one a 34-pin control cable, and the other a 20-pin data cable. The control cable is shared by up to four disks whereas each disk has got its own dedicated data cable.

Mar 08, 2026

ST506 interface | Vintage Computer Federation Forums

The elusive debug commands you speak of are not specifically for the ST506 interface, it was firmware added to 8 bit cards for the old XT generation machines which didn't have any hard

Jul 17, 2025

Changes to the ST-506/ST-412 Interface

The ST-506 physically steps the heads on receipt of each step pulse. Release of the ST-412 Drive Reference 3 indicates that the interface between controller and drive remains the same, and

Apr 10, 2026

seagate :: ST506 ServiceMan May82

rise within the enclosure, providing significantly greater off-track margin and the ability to immediately perform read and write operations after power up with no thermal stabilization delay. The ST-506

Mar 11, 2026

ST-506/ST-412 explained

In the ST-506 interface, the drive connects to a controller card with two ribbon cables carrying signals, while a third cable provides power. The two signal cables are the wide 34-pin control cable and the

Dec 24, 2025

Spirit HDA-506 interface for the Amiga 500/1000

The earliest standard was the ST-506 interface, developed by Shugart Associates in 1980 and rapidly adopted by other manufacturers.Â The drives

Apr 12, 2026

The ST412/506 Interface

The ST-506 design incorporated a very well defined interface between the disk drive and the controller. Introduced about a year later, its successor, the Seagate ST-412 (Seagate, 1991b), had a 10 Mbyte

Jul 16, 2025

Amiga Hardware Database

SCSI and ST-506 controller supports seven SCSI and two ST-506 devices at once the SCSI drives are controlled by the WD 33C93 IC the ST-506 drives are controlled by the Zilog Z80B CPU the 33C93

Mar 25, 2026

ST506-Schnittstelle - Wikipedia

Die ST506-Schnittstelle ist eine Hardwareschnittstelle. Sie wurde 1980 von der irischen Firma Shugart Technology, heute Seagate, zu ihren neuartigen 5¼"-Festplatten ST506 (5 MB) und ST412 (10 MB)

Aug 03, 2025

Seagate ST-506 Manuals | ManualsLib

Seagate ST-506 Pdf User Manuals. View online or download Seagate ST-506 Manual, Product Manual

May 13, 2026

ST-506/412

ST-506/412 HDD-Interface - 34-Pin Control Bus Connector(Used for (1983) classic - IBM XT/AT and PS/2 systems)

Mar 31, 2026

X-Stream Technologies: Hard Drive Interfaces

The interface used the same type of 20-pin data cable and the 34-pin control cable as the ST-506. ESDI developed on ST-506/ST-412 in many ways. ESDI moved

Dec 01, 2025

What Is ST-506 Interface?

The ST-506 interface was a standard hard disk controller (HDC), and the ST-506 interface was used to connect personal computers (PC) and hard disk drives (HDD). It attached to a controller

Feb 27, 2026

Hardware-Aktuell

Die ST506-Schnittstelle wurde 1982 von der Firma Seagate für ihre 5¼-Zoll-Festplatten ST506 (5 MB) und ST412 (10 MB) entworfen und galt lange Zeit als De-facto-Standard. Sie ist eine

May 31, 2026

ST506 to CF or IDE or anything VOGONS

I stumbled across this discussion on a fork of FlashFloppy that interfaces a Gotek (the original 72MHz Cortex-M4) to ST506 via an adapter, which shows that it's possible with inexpensive

Dec 20, 2025

ST-506 controller

This is a list of all ST-506 cards in the wiki. This list also includes composite devices, such as those cards that include a floppy controller or parallel port.

Jul 04, 2025

Seagate ST 506/412 OEM Manual

The ST-506/412 electrical interface is similar to Shugart Associates' SA 1000 family of 8 inch fixed disc drives. ST -506/412 size and mounting are identical to the industry standard minifloppy disc drives,

Oct 05, 2025

S100 Computers

The ST-506 was the first 5.25 inch hard disk drive. Introduced in 1980 by Seagate Technology (then Shugart Technology), it stored up to 5 megabytes after

Sep 04, 2025

Morley Electronics ST506 Controller Card

When the Archimedes A300 range was launched there were two types of disc interface available; ST506 (or MFM) which was expensive but slow and SCSI which was very expensive but fast.

Oct 14, 2025

ST-506/ST-412

ST-506/ST-412 The ST-506 and ST-412 (sometimes written ST506 and ST412) were early hard disk drive products introduced by Seagate in 1980 and 1981 respectively, that later became construed

Jun 09, 2026

What is ST-506 interface? | Lessonstop

ST-506 is an old standard interface for connecting hard disk drives to PCs. Newer standards support faster data transfer rates.

Oct 26, 2025

Hard Disk Drives/ Seagate // retrocmp / retro computing

Shugart was responsible for the genesis of the two hard drive interfaces that were to dominate the PC world for decades, SCSI and ST-506/412. In 1980 Shugart produced the world's first 5.25 inch hard

Contact Us

For more information, pricing, or custom solutions, please contact us:

Website: <https://www.elagage-lorrain.fr>

Email: sales@elagage-lorrain.fr

Phone: +33 6 47 82 19 35

Address: 15 Rue de la République, 69002 Lyon, France

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