

Networking products Information

A T O M W I D E

NETWORKING INTERFACES

16 bit A400/A5000 series

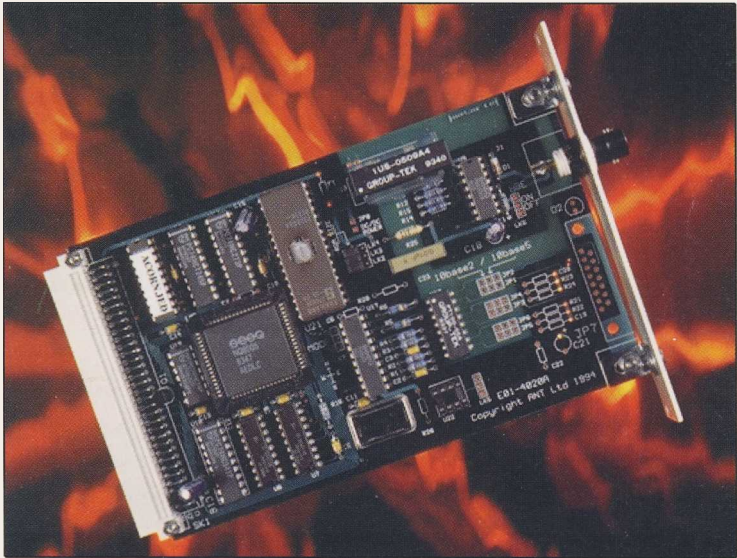
Supports :

Acorn AUN™
Acorn Access™
TCP/IP - NFS
RemoteFS
Aleph One PC cards
NE2000 compatible

SEEQ chip set
64K frame buffer

Available as :

10base2 (BNC),
10baseT (RJ45),
10base2 & T (BNC &
RJ45), 10base2 & 5 (
BNC & AUI).
Compatible with
FOIRL adapters



Atomwide is the primary distributor for the highly-regarded range of Ethernet interfaces manufactured by ANT Ltd. Atomwide can help you to choose the right Ethernet interface for your requirements.

ANT Ltd interface cards and software are in daily use in hundreds of schools and businesses across the UK and many other countries where Acorn RISC computers are networked together. ANT Ltd is one of the most experienced manufacturers in the Acorn networking market. ANT's wide range of networking products were originally sold under the Atomwide name and ANT Ltd continue to work closely with Atomwide to support existing customers. ANT Ltd also manufactures a wide range of products on behalf of Acorn Computers.

Integrated Networks

TEL : (01689) 814500 FAX : (01689) 814501 - sales@atomwide.co.uk

8 bit A3000/A3020/A4000 series

Supports :

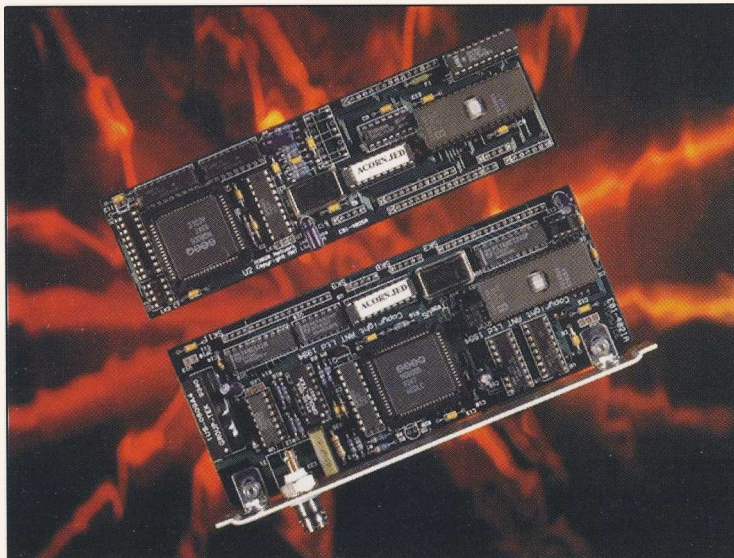
Acorn AUN™
Acorn Access™
TCP/IP - NFS
RemoteFS
Aleph One PC cards
NE2000 compatible

SEEQ chip set
64K frame buffer

Available as :

10base2 (BNC)
10baseT (RJ45)

External MAU with
A3020 interface



Turn Key Installations & Consultancy

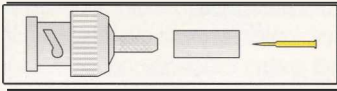
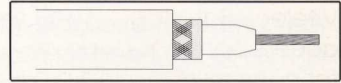
Atomwide also provides a "turn key" network design and installation service. We take all the hassles out of completing and commissioning a network installation. Absolutely all features of a network can be dealt with whatever the size of your installation. If it's as small as 2 machines or as big as 2000 machines we can provide you with a completed working system designed to meet your specific requirements. All types of network cabling can be used depending on your sites requirements. We can even help you with the termination of fibre optic backbones and point to point links. We also offer improved guarantee on all Atomwide and Ant Ltd products when you use our Turn Key installation service. If you have, in house, the staff to effect the installation Atomwide can still help you build a functional network. We have many years of specialist experience in the networking market both in schools and industry which covers one of the widest range of network formats. If your system integration or network requirements are not met by Atomwide's existing product range we can obtain a design solution for you at competitive rates. We can even provide custom written network management and test software that reduces the amount of time wasted by network problems.

For All Acorn

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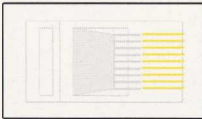
Ethernet connectors

RG-58 10base2 cable - 100 metre drums
- 500 metre drums



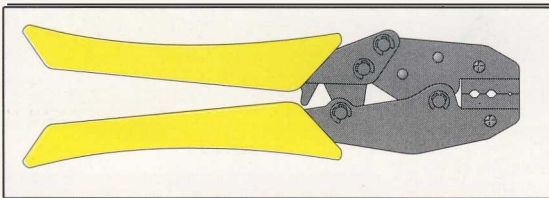
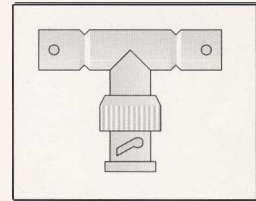
10base2 crimp BNC connectors - packs of 10
- packs of 50

RJ45 10baseT cable - 100 metre drums
- 305 metre drums



10baseT crimp connectors - pack of 10
- pack of 100

10base2 T-pieces Socket/Plug/Socket - pack 10
- pack 50

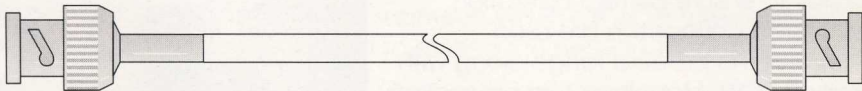


Crimp tools
10baseT & 10base2

Ready made ethernet cables



RJ45(10baseT) & BNC(10base2) cables available to your specifications.



In addition to standard lengths Atomwide can also supply pre made 10base2 & 10baseT cables to custom lengths making network installation easy. All pre made cables have been tested on active networks. Atomwide can also supply custom made fibre cables terminated with ST connectors. A site installation service for fibre connectors is one of the many Ethernet related services Atomwide are able to offer.

Network Connectors

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Ethernet Wall boxes

Vitelec's Safertap® (Thin-Ethernet access port) has been developed for network users and provides a cost effective method of adding or removing workstations without disrupting the network. Safertap® can be used with customers existing BNC access leads which traditionally incorporate a "T" adapter or it can be combined with a Safertap access lead,



10base5 adapters

These allow conversion of 10base5 connections found on repeaters, to the three main interface standards of 10baseT (UTP), 10base2 (BNC) and Fibre optic links. Each unit is powered from the repeater or network interface that they are attached to. In addition they may also be used to protect the network in the event of lightning damage to external cable catineries.

Backbone drop adapters

These allow connection between backbones and repeaters servicing 10base2 or T segments. Each unit provides LED's indicating data transit, heart beat and collision detection. Connection to a repeater is made via a 10base5 drop lead.



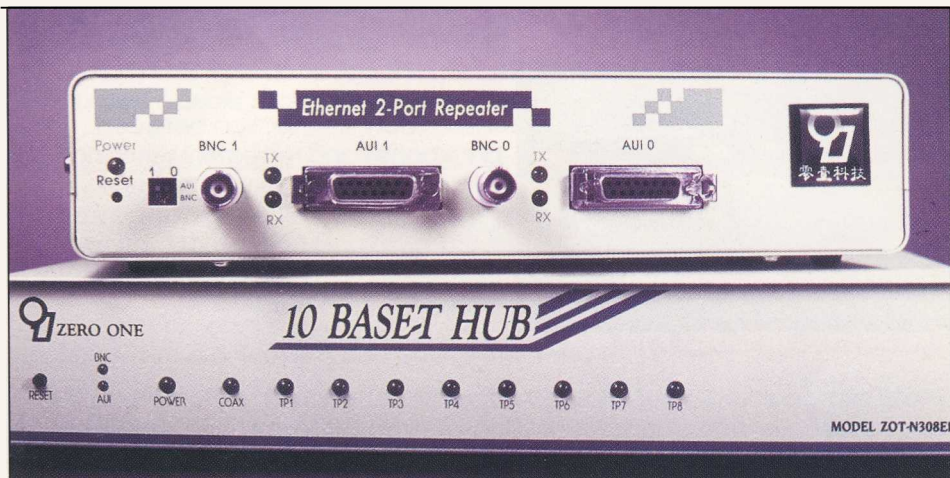
10base5-10bT / 10base5-10bT / 10base5-FOIRL

And Accessories

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10baseT hubs

The 8 and 12 port 10baseT hubs are low cost, full feature multiport repeaters designed to be the central component of a 10baseT star network. Both hubs are IEEE 802.3 compatible. Both hubs have 8 or 12 UTP connections as well as a 10base2 BNC connection. In the case of the 12 port hub box a 10base5 connection is also available. These features allows expansion of your ethernet network by linking 10baseT star networks together. The 12 port version may also be mounted in a 19" rack unit. The maximum cable length between the workstation and the hub is 100 metres, which will be sufficient for most situations.



Repeaters

The maximum segment length for 10base2 ethernet is 185 metres with a maximum of 30 interfaces on each segment. When either of these values is exceeded a repeater may be used to extend the network by adding further segments to the network.

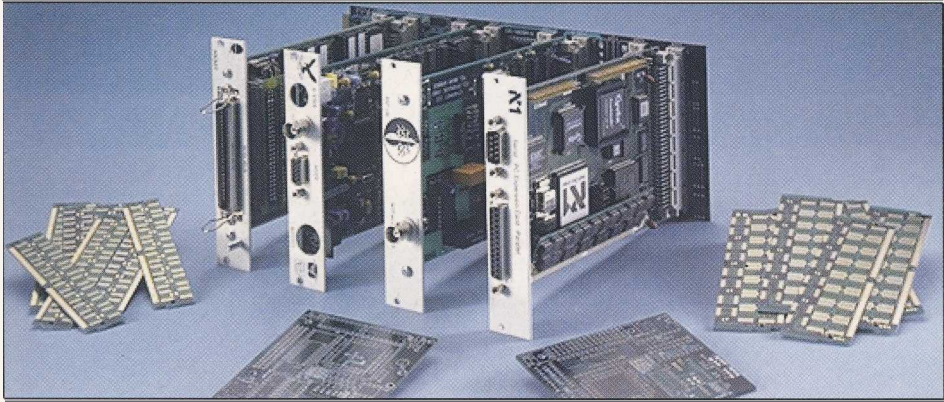
Available as either 2 or 4 port. Supports 10base2 (BNC) or 10base5 (AUI) connections. Provides traffic and collision LED indication and auto partitioning with re-connection. With the addition of 10base5 to FOIRL adapters, point to point fibre links may be built allowing transmission distances of up to 1Km. Ideal for schools or universities where remote sites need to be linked.

Ethernet Products

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Multislot backplanes

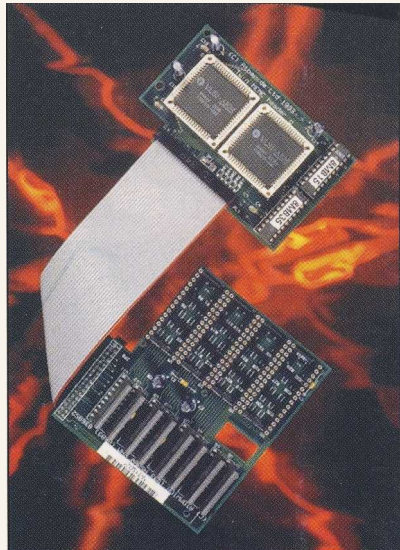
As the number of available interface cards grows for the Acorn range of machines so the need for more backplane slots increases. Atomwide's 8 & 6 slot PC600 backplane kits allow expansion of your machine, 2 full channels of DMA are available on the first two slots on the backplane and all kits are supplied with a 2nd power supply, case bolts and extra case slices.



A5000 and A400 series memory upgrade.

Thousands of users around the world have experienced the advantages of 8Mb of memory. These upgrades have been sold as far and wide as Hong Kong and Australia as well as into Europe. They have a proven track record of reliability. Each upgrade is fitted with a pair of matched MEMC1a devices that have been tested as a pair to ensure perfect operation. Gold plated connectors are used throughout the product range along with four layer PCBs. Machined turn pin sockets are used to fit the operating system ROMs to the OS motherboard without blocking any expansion slots.

8Mb memory upgrades are available for the following Acorn machines. A310, A440 A4x0/1, 8140, and 25Mhz or 33MHz A5000,



+ ATOMWIDE =

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