

ART Networking

- Complete network protocols stacks for all applications
- High performance implementation
- Industry standard connectivity
- Design expertise available

ART's portfolio of network components and systems include standard networking stacks and allows a high degree of mix and match to suit most requirements.

Networking applications from ART include Web browsing, Email and News software.

Peer to peer networking technology enables very simple but highly effective sharing of resources such as hard discs and printers between groups of computers.

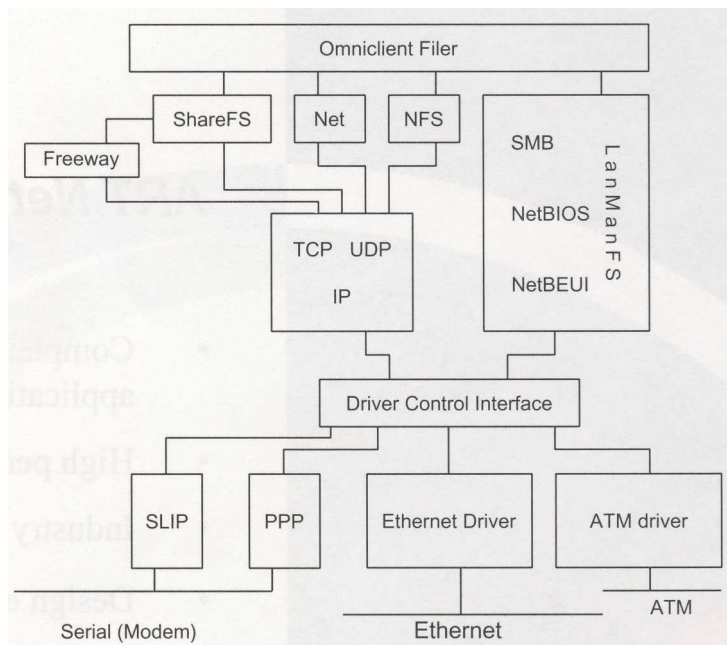
Desktop filers for NFS and LanManager as well as a number of other ART designed network connectivity user interfaces are available as separate items, or combined in the general purpose user interface 'Omnicient' which is popular in mixed network environments.

Underlying software is based on BSD 4.3 Unix Internet software which provides TCP/IP based connectivity and also NetBIOS/NetBEUI or NetBIOS/IP for LanManager services.

A clean and well documented interface between the network transport software and the drivers enables users to create their own specific drivers. ART can supply SLIP, PPP and Ethernet card software modules and support developers with documentation and example code.

Technical pointers

- Modular, flexible software supporting web access includes HTTP, FTP and file fetchers with library support for HTML-2 with common extensions
- Lightweight high performance proxy cache server to support multiple clients
- Memory efficient design
- Ethernet data rates in excess of 800kbyte/sec through choice of protocols
- Standard 8802 implementations with a variety of hardware formats
- PPP data rates up to 115.2kbit/sec supported
- Unix BSD 4.3 socket libraries. Well documented examples provided for third party developers
- PCMCIA drivers and expertise available for pocket applications
- ATM networking including UNI 3.1 implementations available and in development with 2, 25 and 155 Mbps support



Network stack example

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