

AmigaMail

COLLABORATORS

	<i>TITLE :</i> AmigaMail		
<i>ACTION</i>	<i>NAME</i>	<i>DATE</i>	<i>SIGNATURE</i>
WRITTEN BY		July 23, 2024	

REVISION HISTORY

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Chapter 1

AmigaMail

1.1 VIII-51: SANA-II Network Device Driver Specification

```
** $Filename: ARCNET.txt $  
** $Revision: 1.3 $  
** $Date: 92/01/10 15:18:56 $
```

S2WireType_Arcnet 7

ios2_DataLength:
506 byte MTU (because of the possibility of two byte Types).
Packets of size 254, 255, or 256 bytes are padded to 257 bytes before
transmission.

Station Address:
ARCNET hardware may have addresses set with jumpers, DIP switches
or software. Different drivers may therefore behave differently
with S2_CONFIGINTERFACE.

Hardware addresses should be assigned by users from highest to lowest
because there is some efficiency gained in the token passing scheme
this way. For example, on a three node network, hardware numbers 254,
253 and 252 should be used rather than 1, 2 and 3.

Raw reads and writes:

Short Packets (1-253 bytes)
Destination Address (1 byte)
Source Address (1 byte)
Count (256-N-Type length) (1 byte)
Padding (to byte number Count)
Type (1 or 2 bytes)
Data (N bytes)

Long Packets (257-506 bytes)
Destination Address (1 byte)
Source Address (1 byte)
zero (1 byte)
Count (512-N-Type length) (1 byte)
Padding (to byte number Count)
Type (1 or 2 bytes)
Data (N bytes)

Multicast: Not Supported

Broadcast: Supported

Promiscuous: Generally Not Supported

Packet Type Numbers for ARCNET are assigned by:
Datapoint Corporation

Some Common Packet Type Numbers

decimal	hex	description
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221	DD	AppleTalk
240	F0	TCP/IP -- IP (RFC 1051)
241	F1	TCP/IP -- ARP (RFC 1051)
212	F0	TCP/IP IP (RFC 1201, proposed)
213	F1	TCP/IP -- ARP (RFC 1201, proposed)
214	D6	TCP/IP -- RARP (RFC 1201, proposed)
247	F7	Banyan Vines
250	FA	Novell IPX