

Ethernet Packet Content

Field	Size	Description
Preamble	7	Prepare receivers to received data- clock synchronisation
SFD	1	Start Frame Delimiter – Data follows
Destination	6	MAC address – Where date is being sent to
Source	6	MAC address - Where data is coming from
Length/Type	2	Length or Type – see note 1, typically Type is used
Payload	Note 2	Packet content, size = 0 to 1500
PAD	Note 3	Pad packet out to minimum length of 64 octets
FCS	4	Frame Check Sequence – make sure packet is valid

Notes

1	If value ≤ 1500 this specifies the length of the payload. If ≥ 1536 (maximum packet size) then this is a type field
2	The payload can be zero to 1500 octets
3	When the payload is too small the frame is padded to the minimum length. The protocol processing must allow for this of the “type” field is ≥ 1536

Ethernet – Send Data

