723025-10.7.2-4E AID:137206 | 12/24/2018

Formula to calculate packet efficiency:

The maximum possible size of an Ethernet packet is 1618 bytes

Data field – 1600

Destination MAC address – 6 bytes

Source MAC address – 6 bytes

Packet type – 2 bytes

CRC – 4bytes

Total – 1618 bytes

Size of the data field in bits =

Total packet size in bits =

Packet Efficiency =

=

= 0.9889

Packet Efficiency in percentage =

= 98.89 %

**Note:**

\* 1 byte equals to 8 bits

\* If the length of the packet is bigger, the packet efficiency increases