

# UFT Data calculation

Filesize                      4 GB    Maximum file size to be sent  
 Packet tx delay            100 us    Time between two packets

	GB	MB	KB	B	b
Maximum data payload				1500	12000
IP header				-20	-160
UDP Header				-8	-64
<b>Data</b>				<b>1472</b>	<b>11776</b>

## Method 1: Max data payload

D/C bit					-1
Transaction ID size					-7
Sequence number size				-4	-24
<b>Remaining data size</b>				<b>1468</b>	<b>11744</b>

File Size	4	4096	4194304	4294967296	34359738368
<b>N data packets</b>					<b>2925728</b>

No packet delay	estimated Tx time	34.36 s
	estimated datarate	119.21 MB/s
With packet delay	Tx time	326.93 s
	datarate	12.53 MB/s

## Method 2: 1024 bytes payload

<b>Remaining data size</b>				<b>1024</b>	<b>8192</b>
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File Size	4	4096	4194304	4294967296	34359738368
<b>N data packets</b>					<b>4194304</b>

No packet delay	Tx time	34.36 s
	datarate	119.21 MB/s
With packet delay	Tx time	453.79 s
	datarate	9.03 MB/s