

Input	op	out Pat	Parameters
500x1	Conv1D <sub>3x16</sub>	498x16	$(3 \times 1 + 1)16 = 352$
498x16	MaxPool1D	249x16	0
249x16	Conv1D <sub>5x32</sub>	245x32	$(5 \times 16 + 1)32 = 2592$
245x32	MaxPool1D	122x32	0
122x32	Conv1D <sub>5x64</sub>	118x64	$(5 \times 32 + 1)64 = 10304$
118x64	MaxPool1D	59x64	0
<del>59x64</del> 3776x1	Flatten	1x3776	0
<del>3776x1</del>	Dense <sub>128</sub>	128	$(3776 \times 1)128 = 483456$
128	Dense <sub>5</sub>	5	$(128 \times 1)5 = 645$

$$\text{المجموع} = 352 + 2592 + 10304 + 483456 + 645 = \boxed{497349}$$