

Layer (type)	Output Shape	Param #	Connected to
ppg_input (InputLayer)	(None, 1024, 1)	0	-
ecg_input (InputLayer)	(None, 1024, 1)	0	-
conv1d_8 (Conv1D)	(None, 1022, 16)	64	ppg_input[0][0]
conv1d_9 (Conv1D)	(None, 1022, 16)	64	ecg_input[0][0]
leaky_re_lu_8 (LeakyReLU)	(None, 1022, 16)	0	conv1d_8[0][0]
leaky_re_lu_9 (LeakyReLU)	(None, 1022, 16)	0	conv1d_9[0][0]
max_pooling1d_8 (MaxPooling1D)	(None, 511, 16)	0	leaky_re_lu_8[0]...
max_pooling1d_9 (MaxPooling1D)	(None, 511, 16)	0	leaky_re_lu_9[0]...
conv1d_10 (Conv1D)	(None, 509, 32)	1,568	max_pooling1d_8[...
conv1d_11 (Conv1D)	(None, 509, 32)	1,568	max_pooling1d_9[...
leaky_re_lu_10 (LeakyReLU)	(None, 509, 32)	0	conv1d_10[0][0]
leaky_re_lu_11 (LeakyReLU)	(None, 509, 32)	0	conv1d_11[0][0]
max_pooling1d_10 (MaxPooling1D)	(None, 254, 32)	0	leaky_re_lu_10[0...
max_pooling1d_11 (MaxPooling1D)	(None, 254, 32)	0	leaky_re_lu_11[0...
bidirectional_4 (Bidirectional)	(None, 64)	16,640	max_pooling1d_10...
bidirectional_5 (Bidirectional)	(None, 64)	16,640	max_pooling1d_11...
concatenate_2 (Concatenate)	(None, 128)	0	bidirectional_4[... bidirectional_5[...
dense_4 (Dense)	(None, 32)	4,128	concatenate_2[0]...
dense_5 (Dense)	(None, 2)	66	dense_4[0][0]