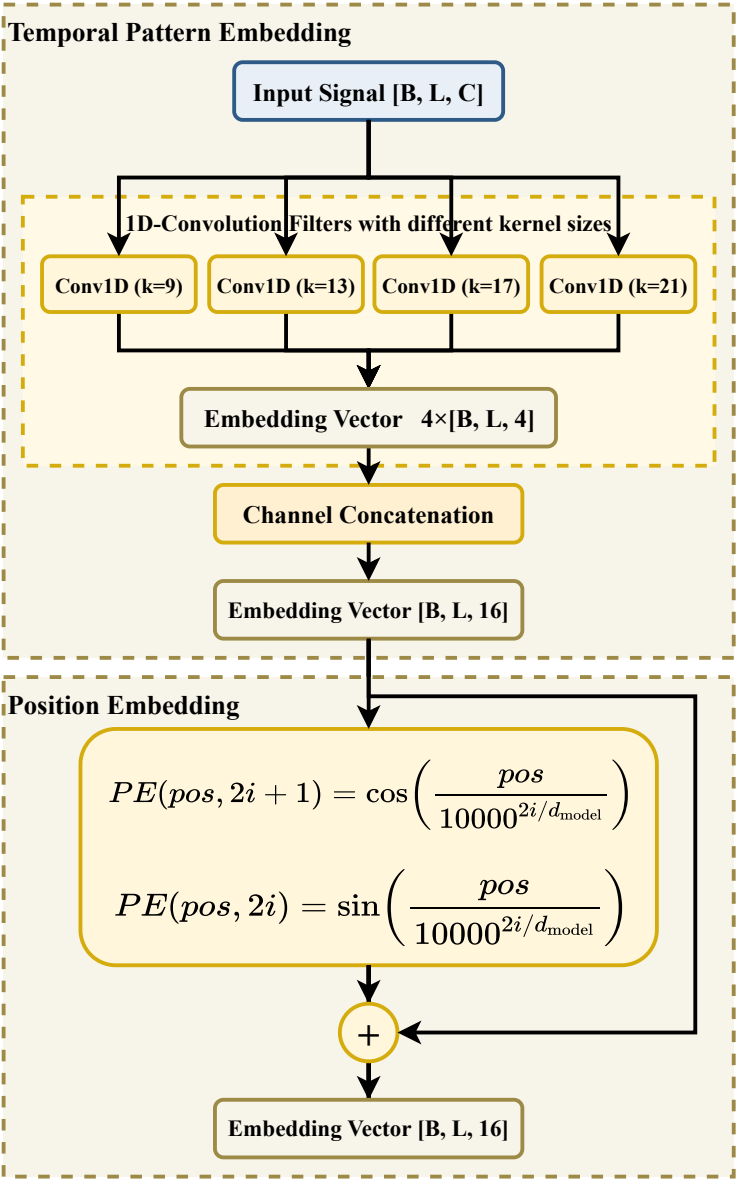
Temporal Pattern Embedding
Input Signal [B, L, C]
1D-Convolution Filters with different kernel sizes
Conv1D (k=9)
Conv1D (k=13)
Conv1D (k=17)
Conv1D (k=21)
Embedding Vector 4×[B, L, 4]
Channel Concatenation
Embedding Vector [B, L, 16]
Position Embedding
$PE(pos, 2i+1) = \cos\left(\frac{pos}{10000^{2i/d_{\text{model}}}}\right)$
$PE(pos, 2i) = \sin\left(\frac{pos}{10000^{2i/d_{\text{model}}}}\right)$
+
Embedding Vector [B, L, 16]