

Model	Size	WER
DNN- $H_{2048}L_6$ CE baseline	$30M$	26.8
+sMBR training	$30M$	24.6
HDNN- $H_{512}L_{10}$ CE baseline	$5.1M$	27.2
+sMBR training	$5.1M$	24.9
+ adaptation	$5.1M$	24.0
HDNN- $H_{256}L_{10}$ CE baseline	$1.8M$	28.6
+sMBR training	$1.8M$	26.0
+ adaptation	$1.8M$	25.0
HDNN- $H_{128}L_{10}$ CE baseline	$0.74M$	32.0
+sMBR training	$0.74M$	29.4
+ teacher-student training	$0.74M$	28.4
+ adaptation	$0.74M$	27.1