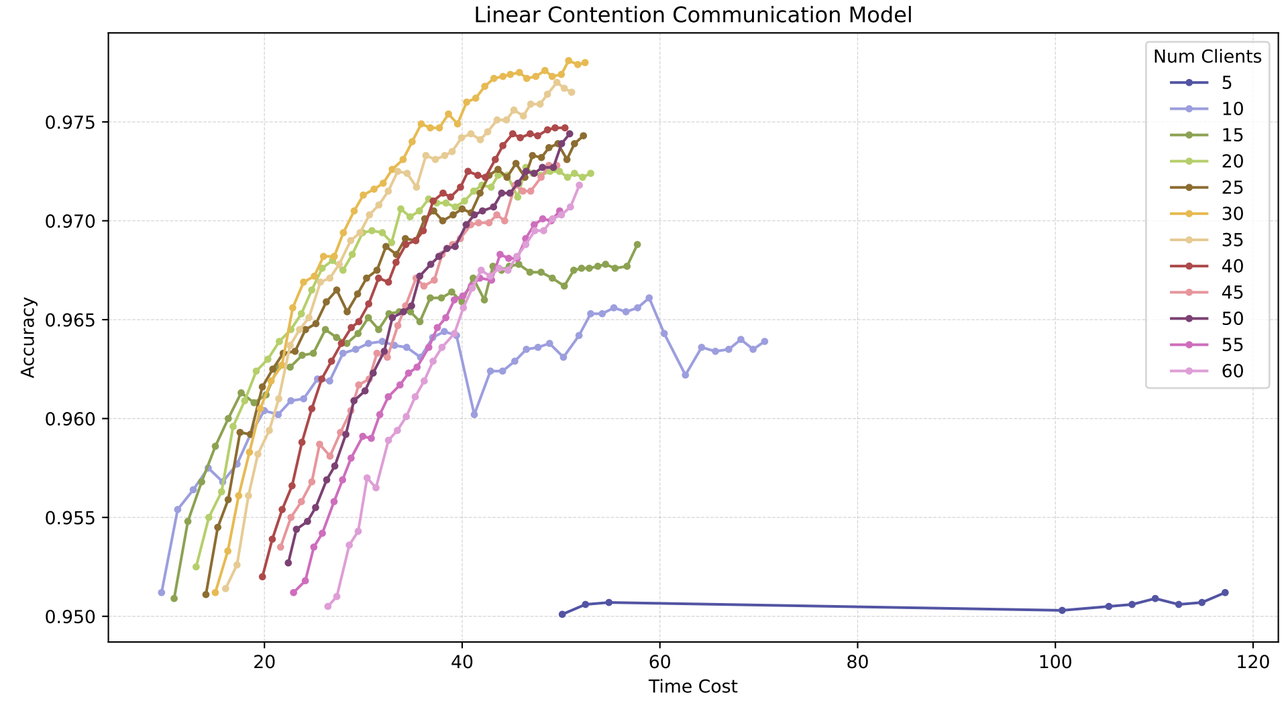
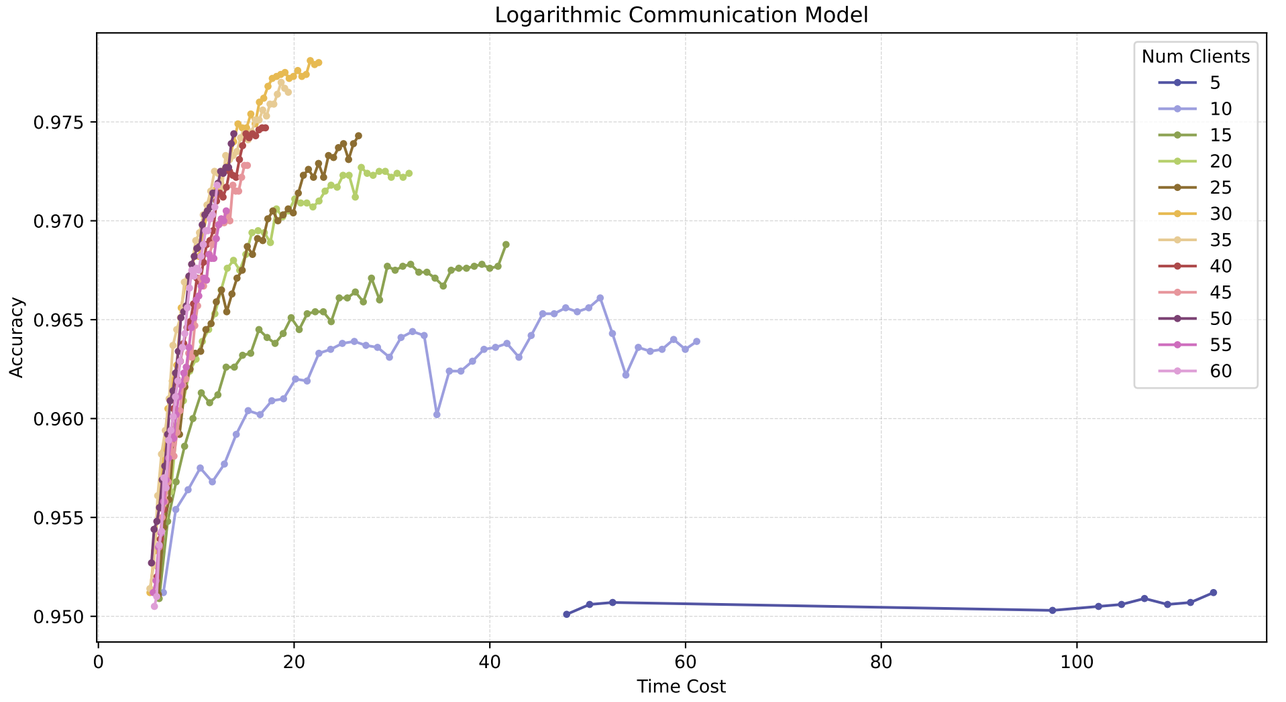
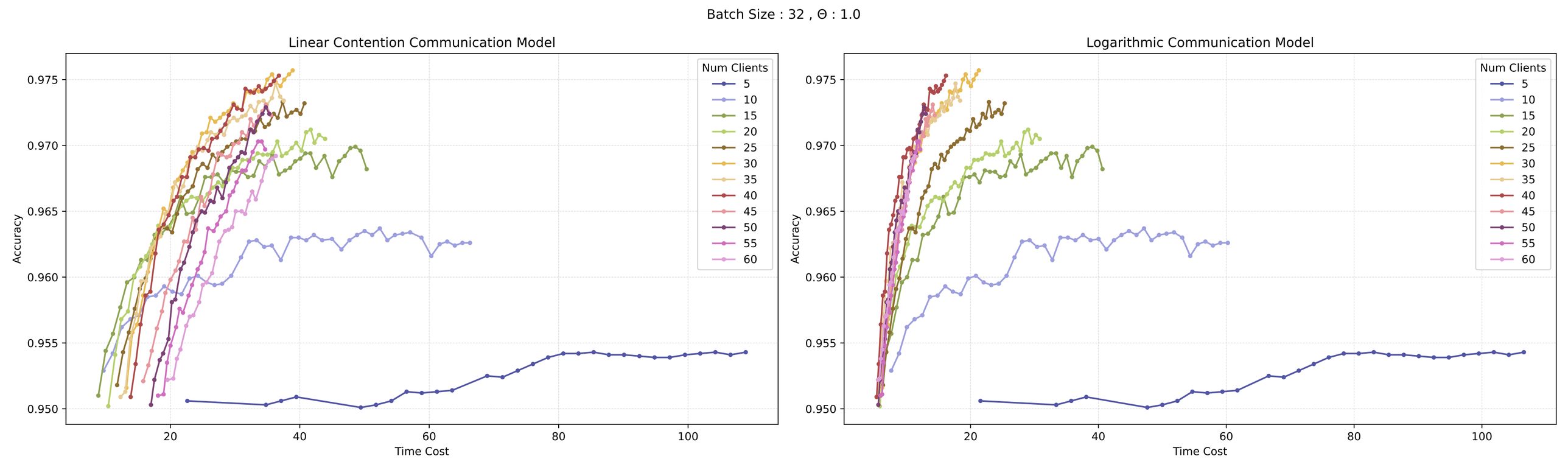
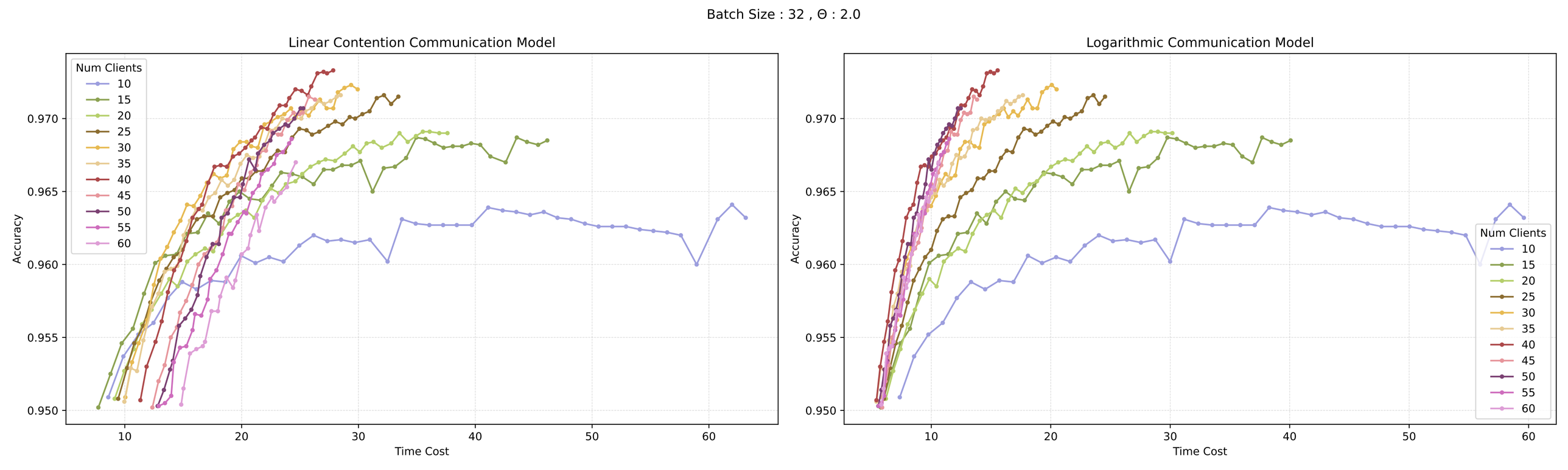
Batch Size : 32 , Θ : 0.5

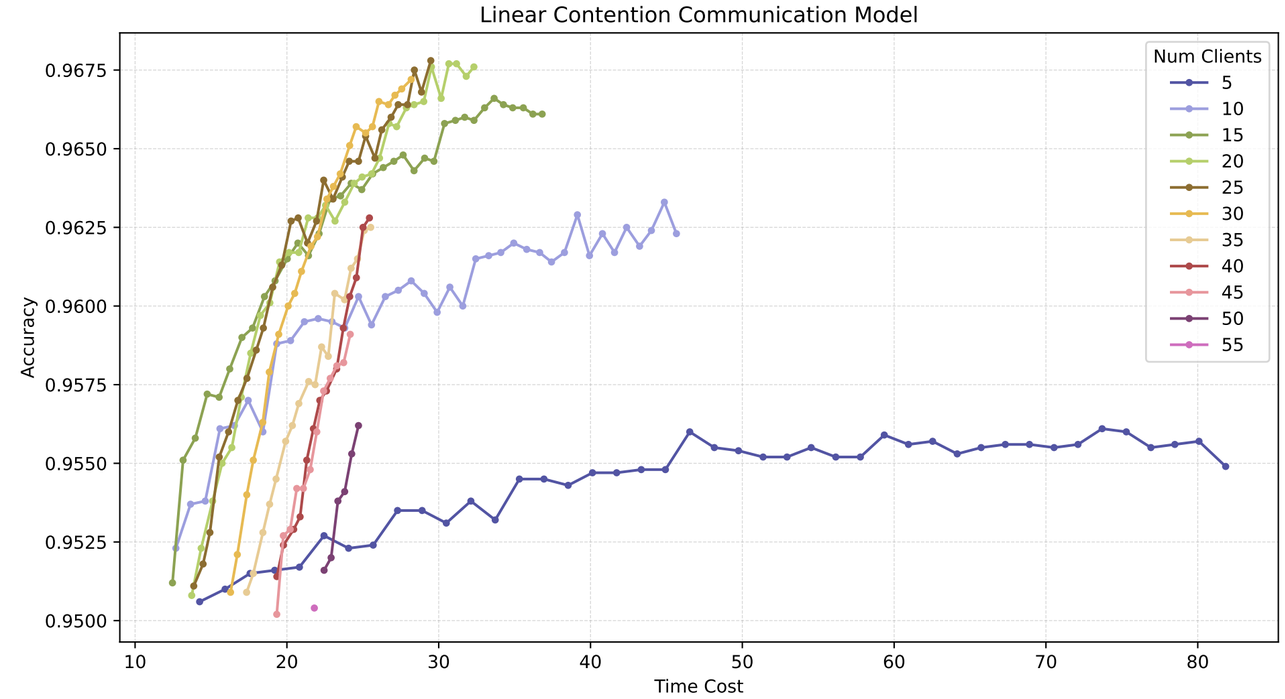


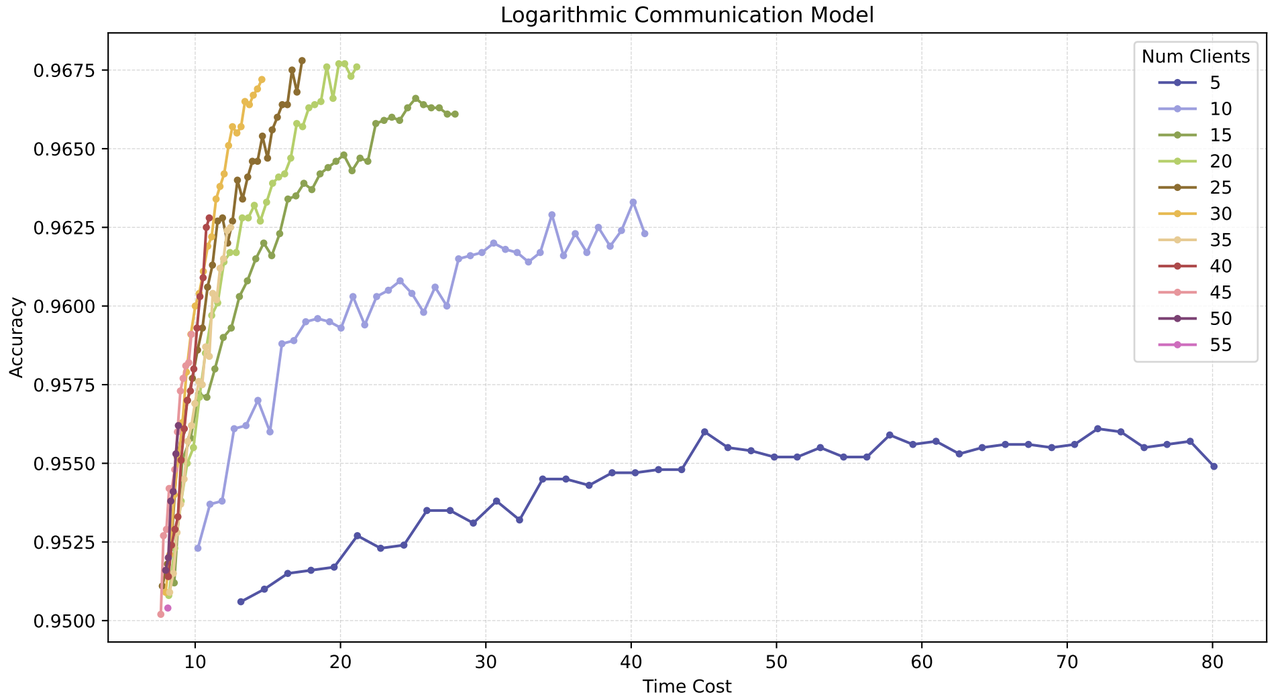


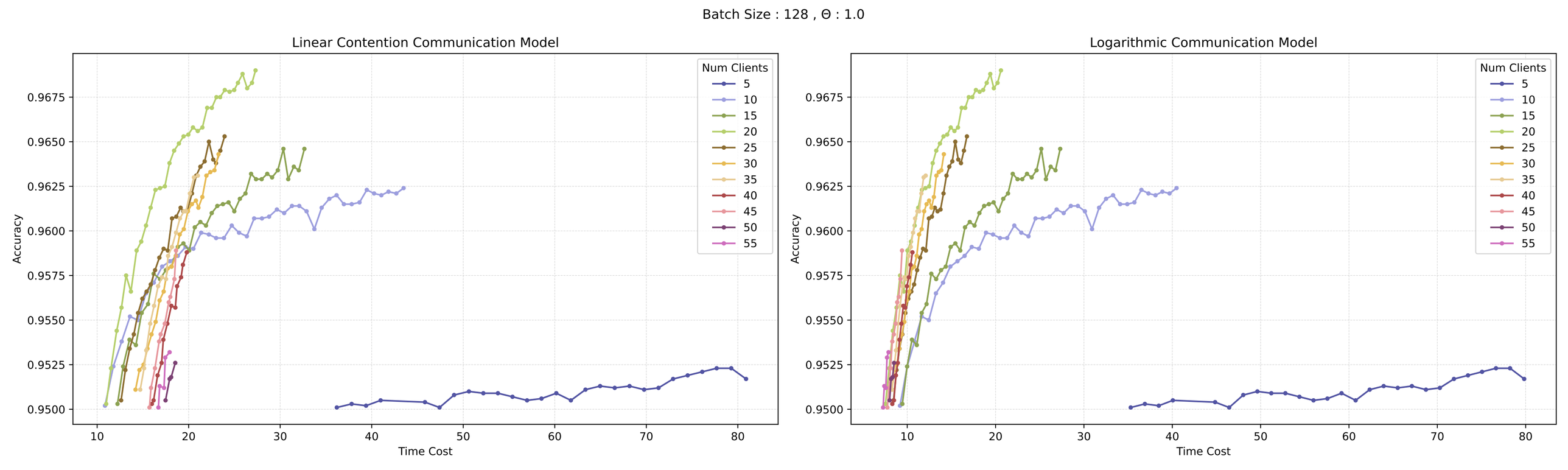

Batch Size : 32 , Θ : 1.0
Linear Contention Communication Model
Logarithmic Communication Model
Accuracy
Time Cost
Num Clients
5
10
15
20
25
30
35
40
45
50
55
60
0.950
0.955
0.960
0.965
0.970
0.975
20
40
60
80
100

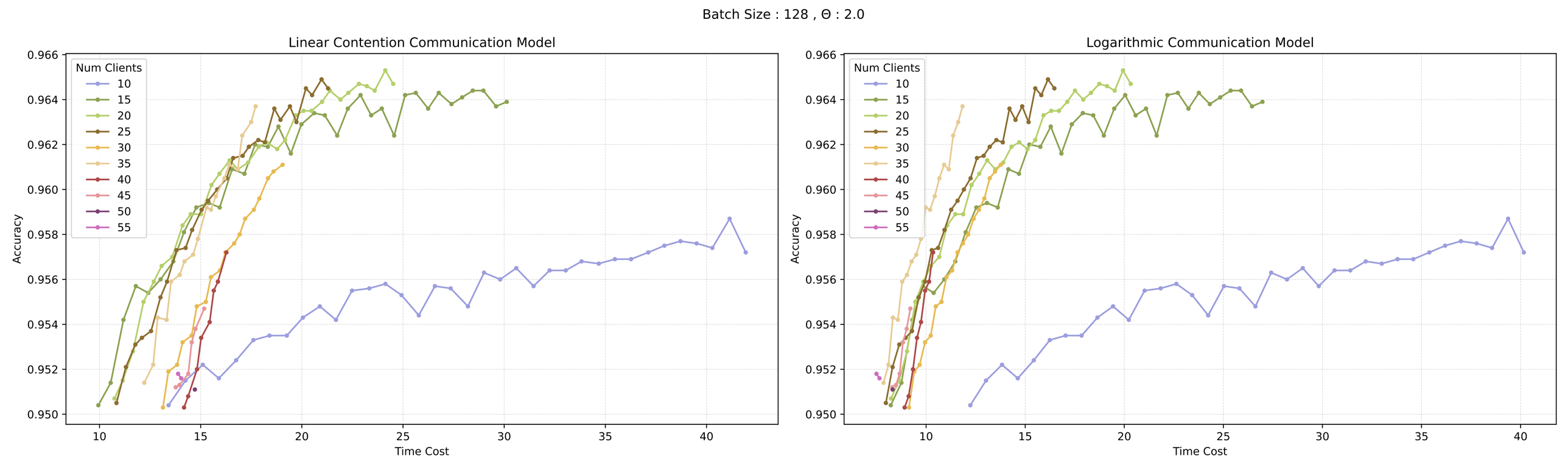

Batch Size : 32 , Θ : 2.0
Linear Contention Communication Model
Logarithmic Communication Model
Num Clients
10
15
20
25
30
35
40
45
50
55
60
Accuracy
Time Cost
0.950
0.955
0.960
0.965
0.970
10
20
30
40
50
60

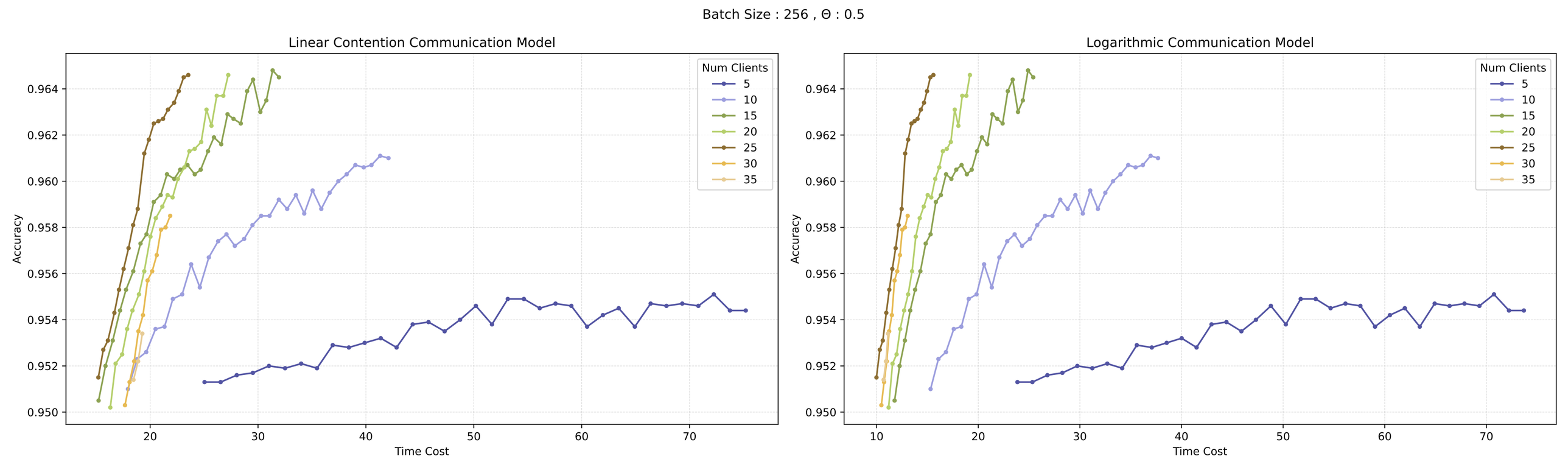
Batch Size : 128 , Θ : 0.5



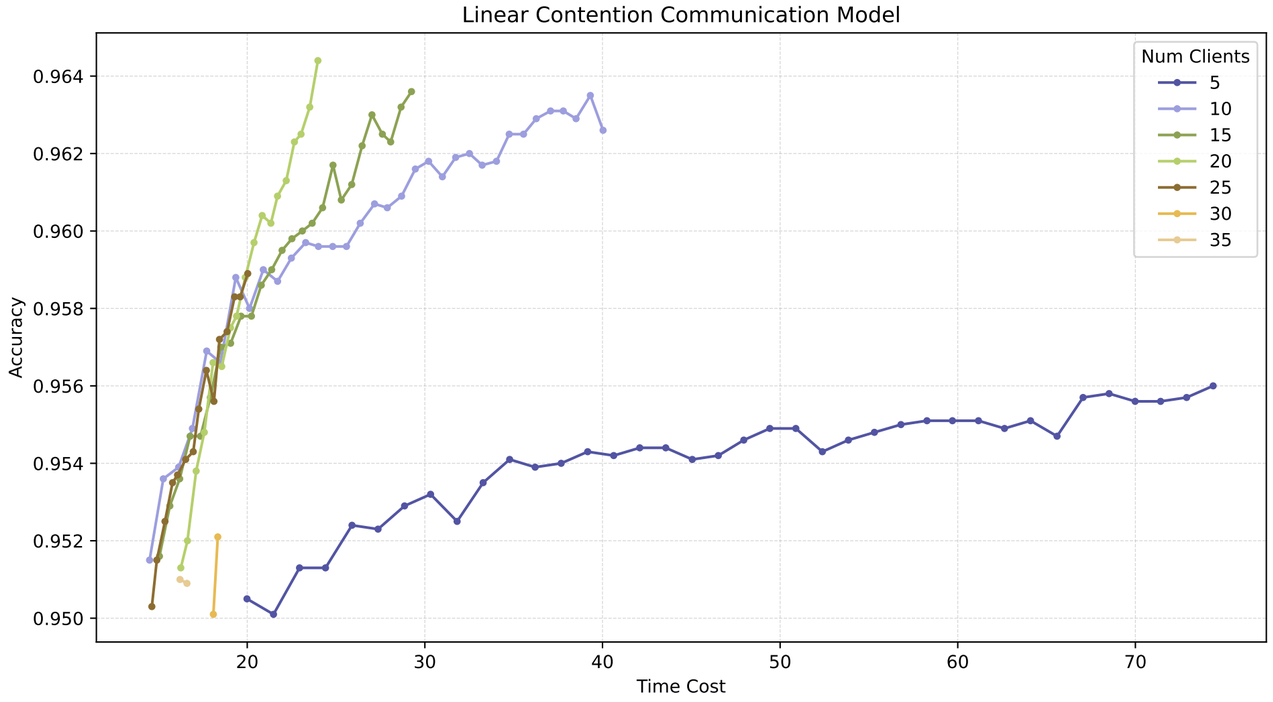


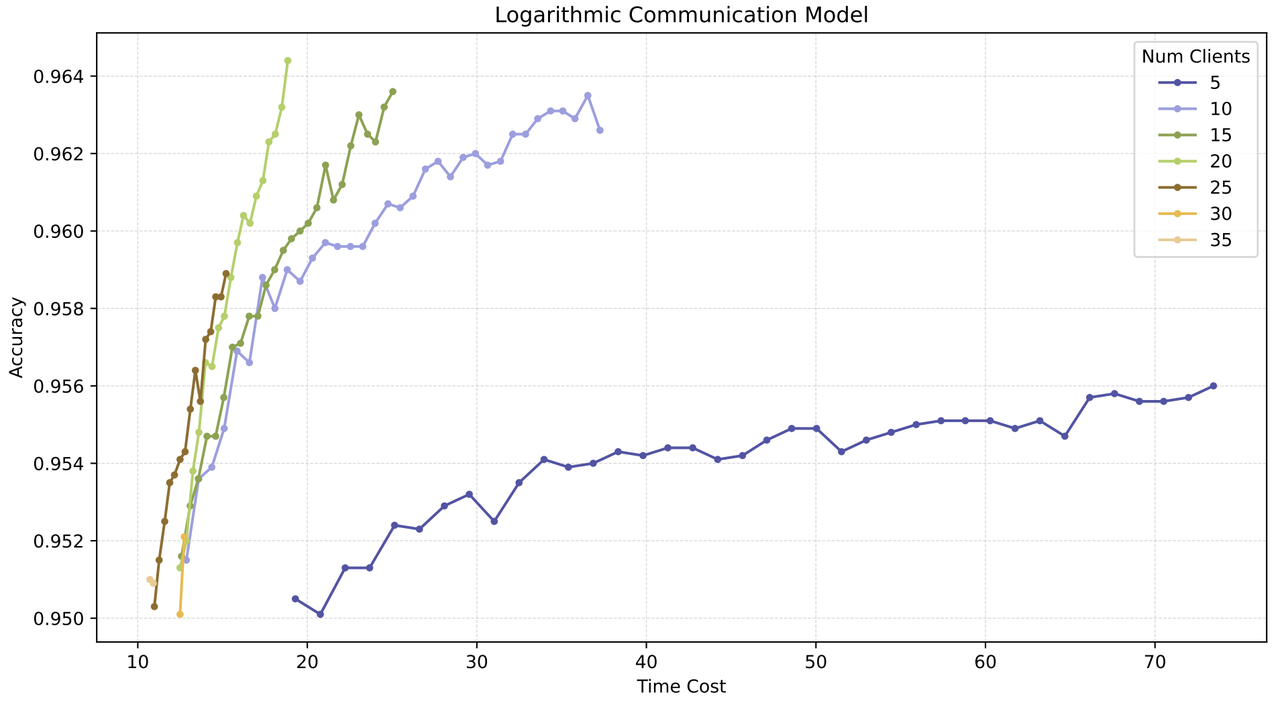

Batch Size : 128 , Θ : 1.0
Linear Contention Communication Model
Logarithmic Communication Model
Accuracy
Time Cost
Num Clients
5
10
15
20
25
30
35
40
45
50
55
0.9500
0.9525
0.9550
0.9575
0.9600
0.9625
0.9650
0.9675
10
20
30
40
50
60
70
80

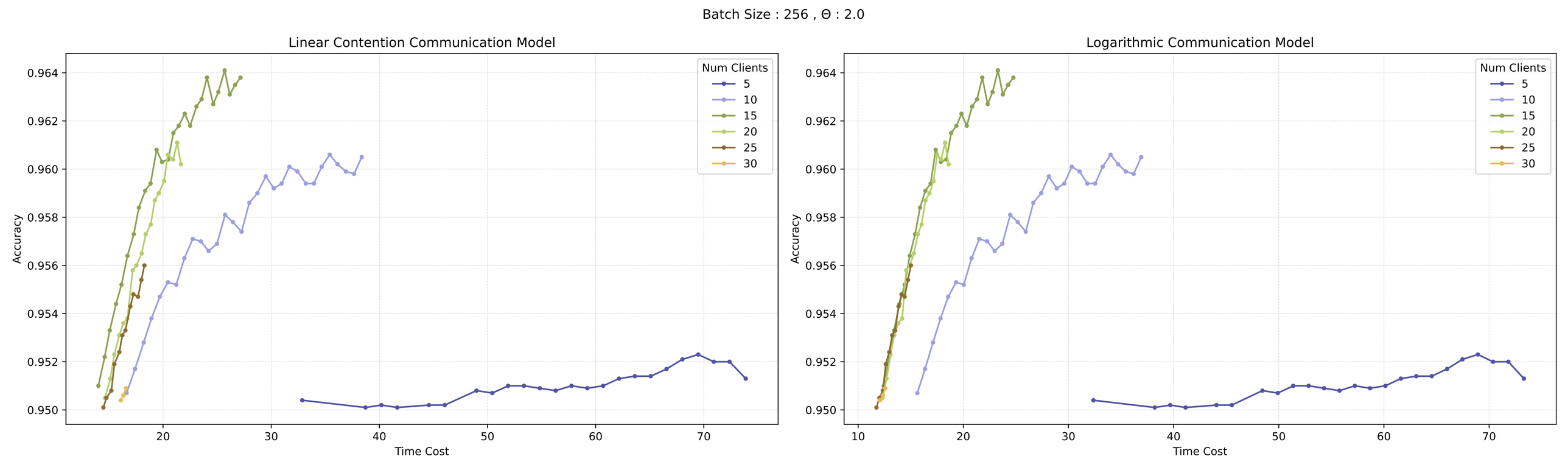

Batch Size : 128 , Θ : 2.0
Linear Contention Communication Model
Logarithmic Communication Model
Num Clients
10
15
20
25
30
35
40
45
50
55
Accuracy
Time Cost
0.950
0.952
0.954
0.956
0.958
0.960
0.962
0.964
0.966
10
15
20
25
30
35
40


Batch Size : 256 , Θ : 0.5
Linear Contention Communication Model
Logarithmic Communication Model
Num Clients
5
10
15
20
25
30
35
Accuracy
Time Cost
0.950
0.952
0.954
0.956
0.958
0.960
0.962
0.964
10
20
30
40
50
60
70

Batch Size : 256 , Θ : 1.0






Batch Size : 256 , Θ : 2.0
Linear Contention Communication Model
Logarithmic Communication Model
Num Clients
5
10
15
20
25
30
Accuracy
Time Cost
0.950
0.952
0.954
0.956
0.958
0.960
0.962
0.964
10
20
30
40
50
60
70