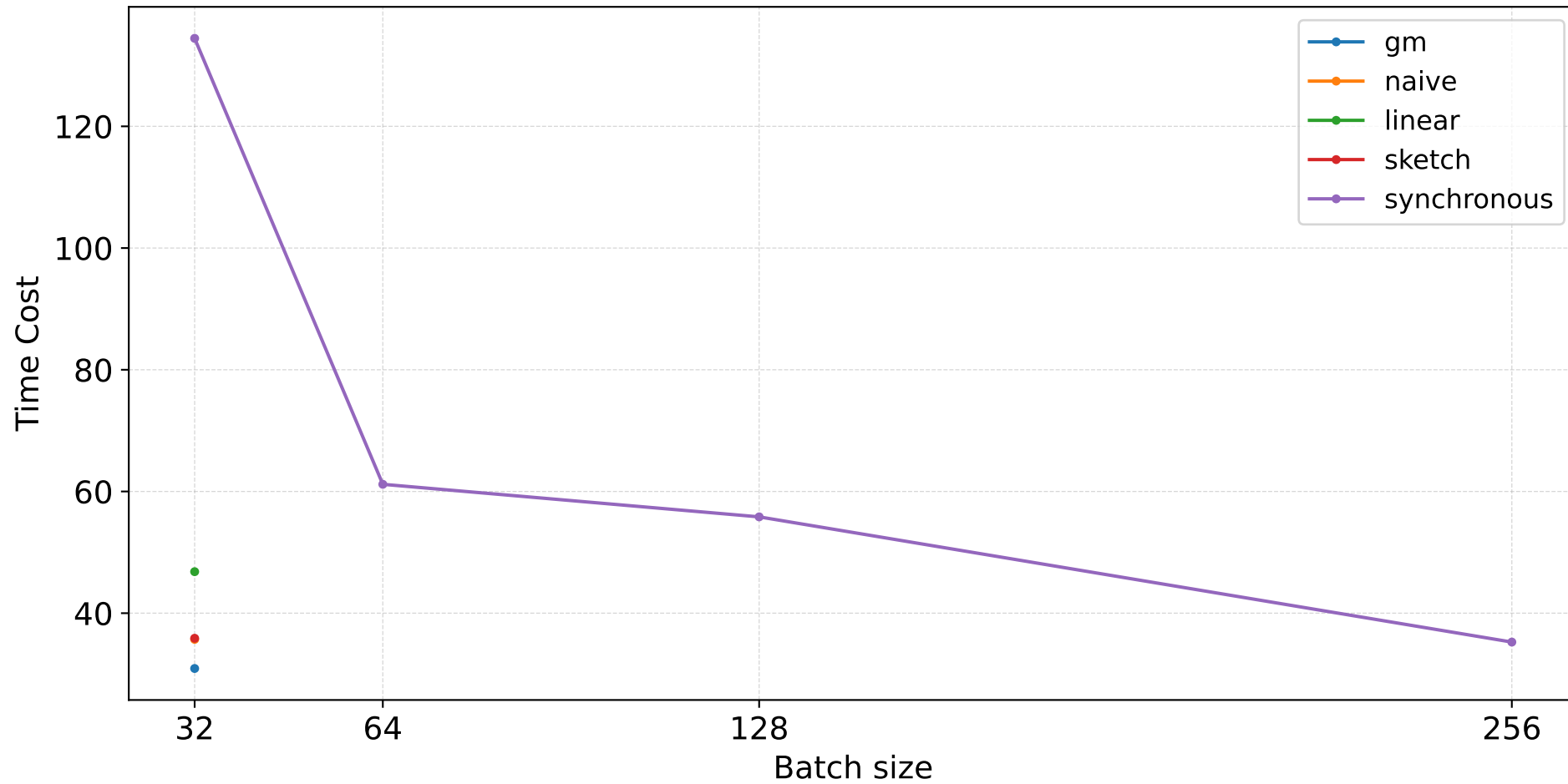
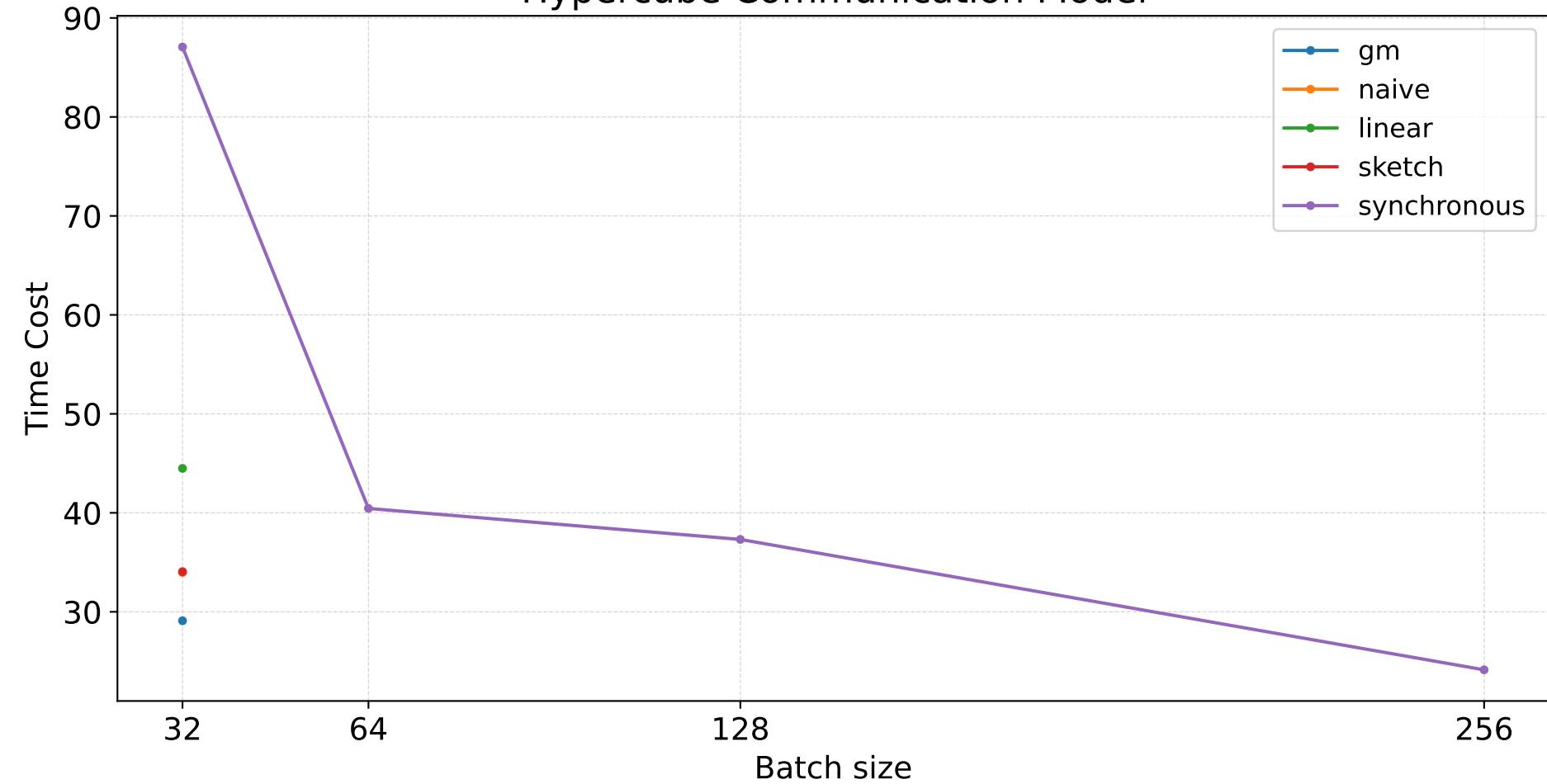


Num Clients : 5 ,  $\Theta$  : 0.5

Common Channel Communication Model

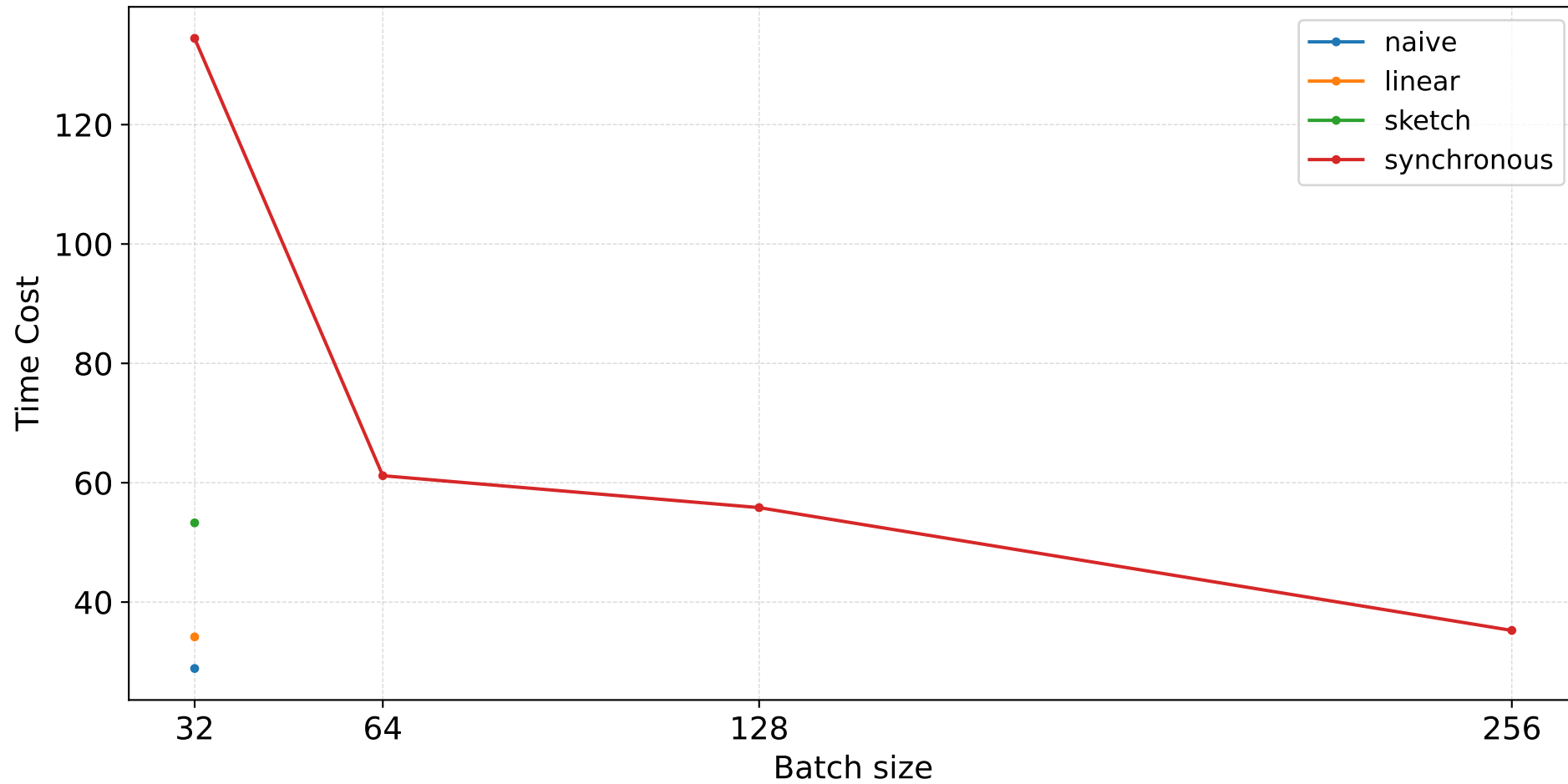


Hypercube Communication Model

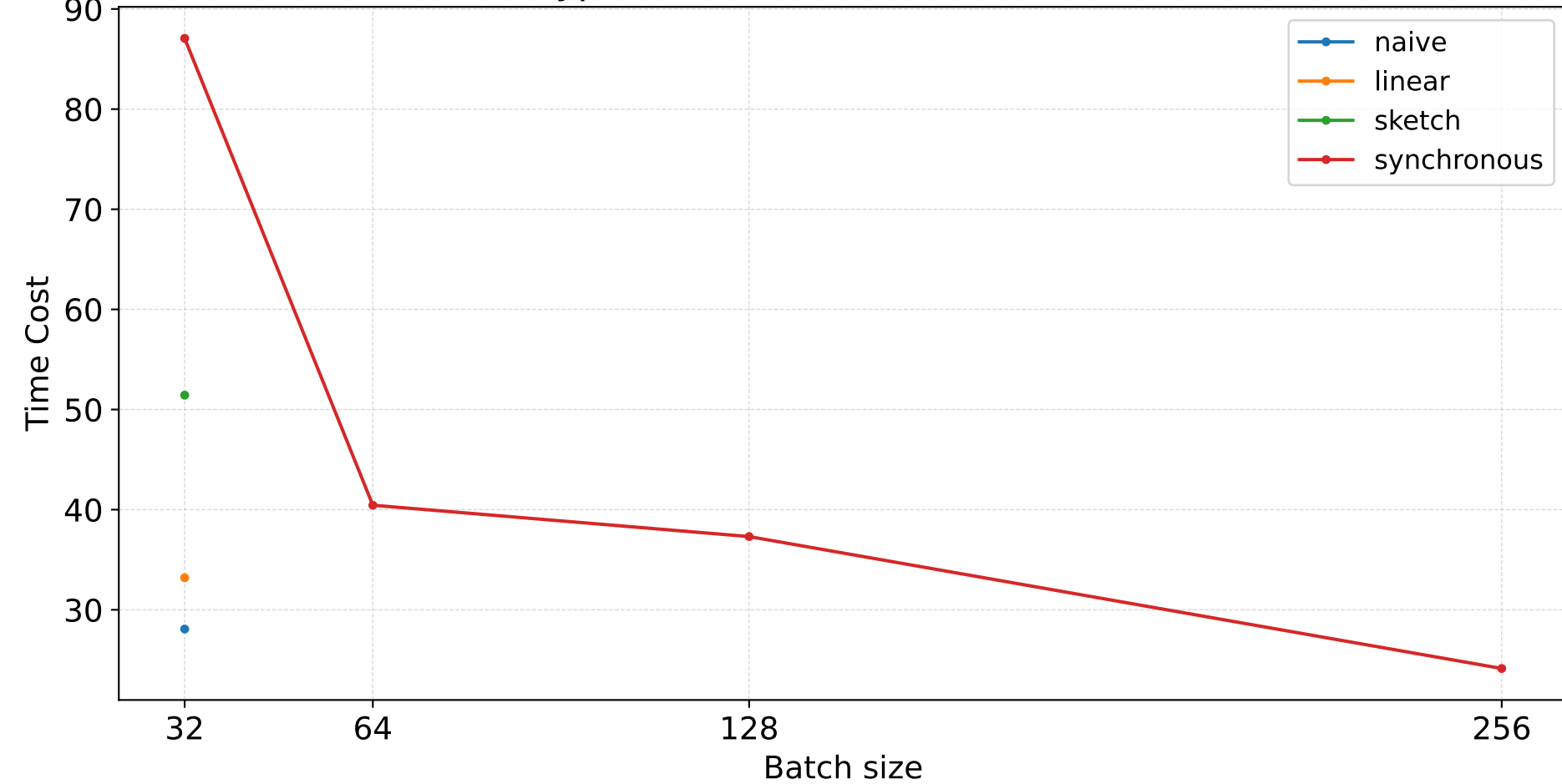


Num Clients : 5 ,  $\Theta$  : 1.0

Common Channel Communication Model

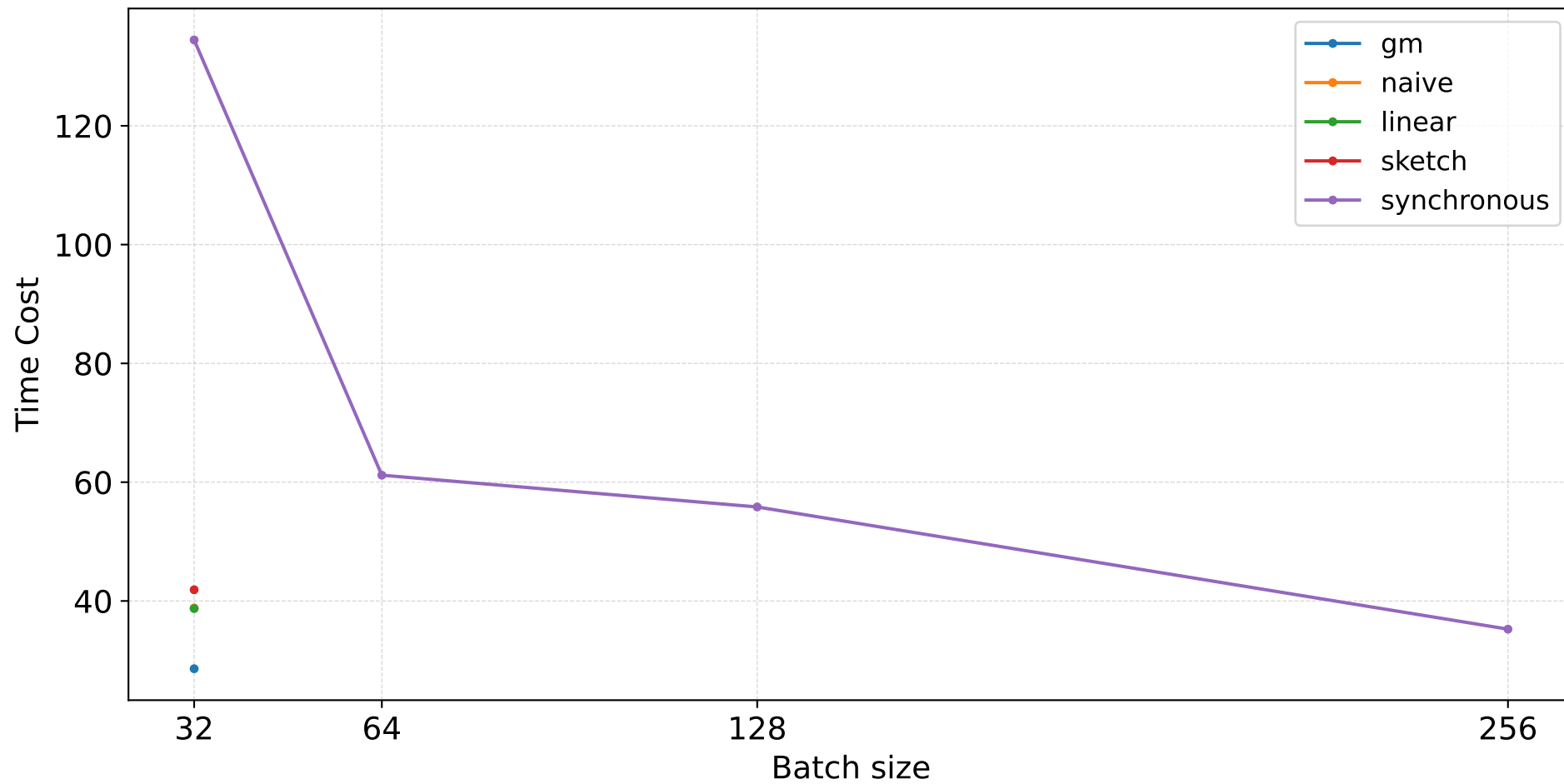


Hypercube Communication Model

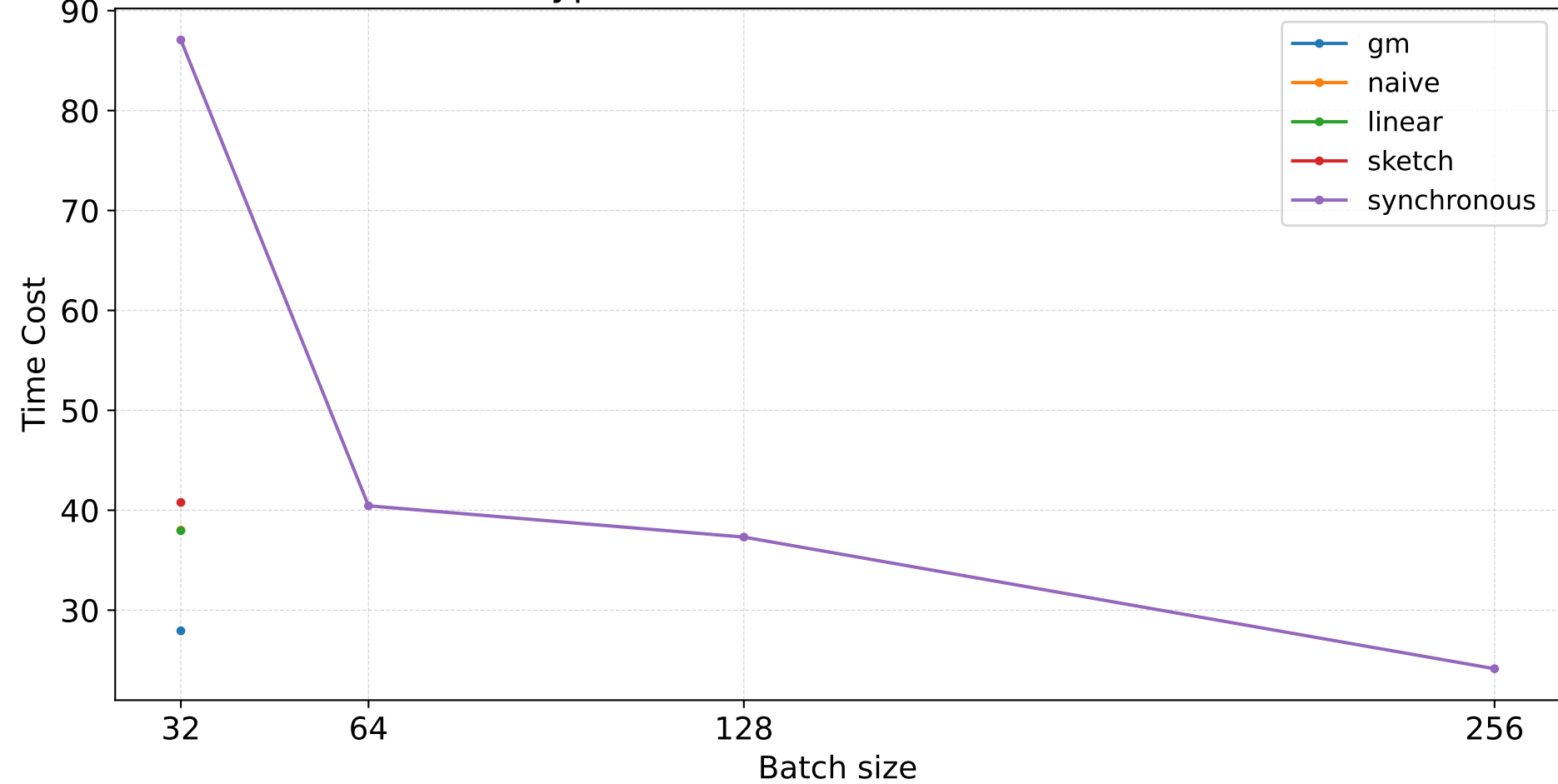


Num Clients : 5 ,  $\Theta$  : 1.5

Common Channel Communication Model

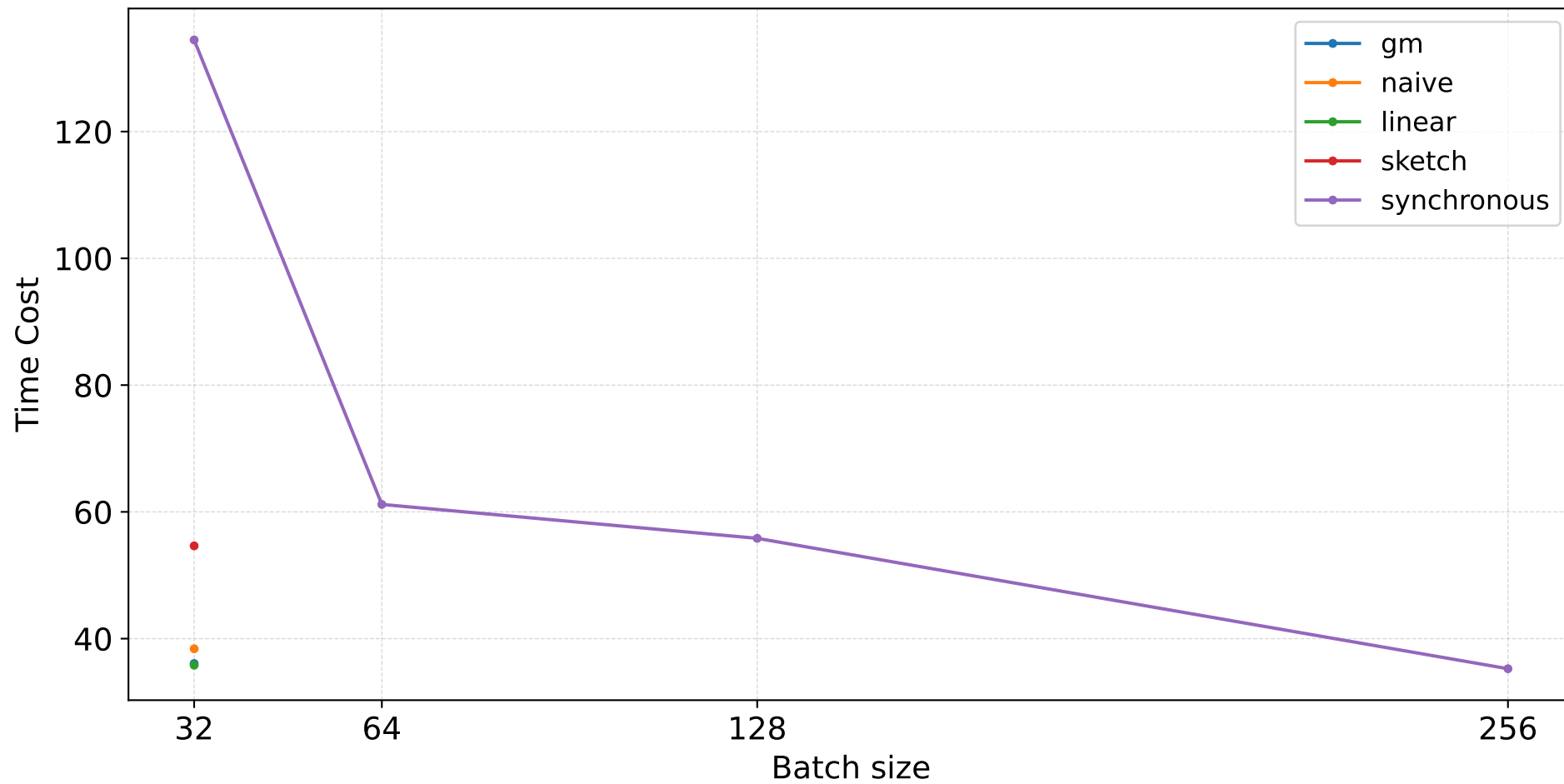


Hypercube Communication Model

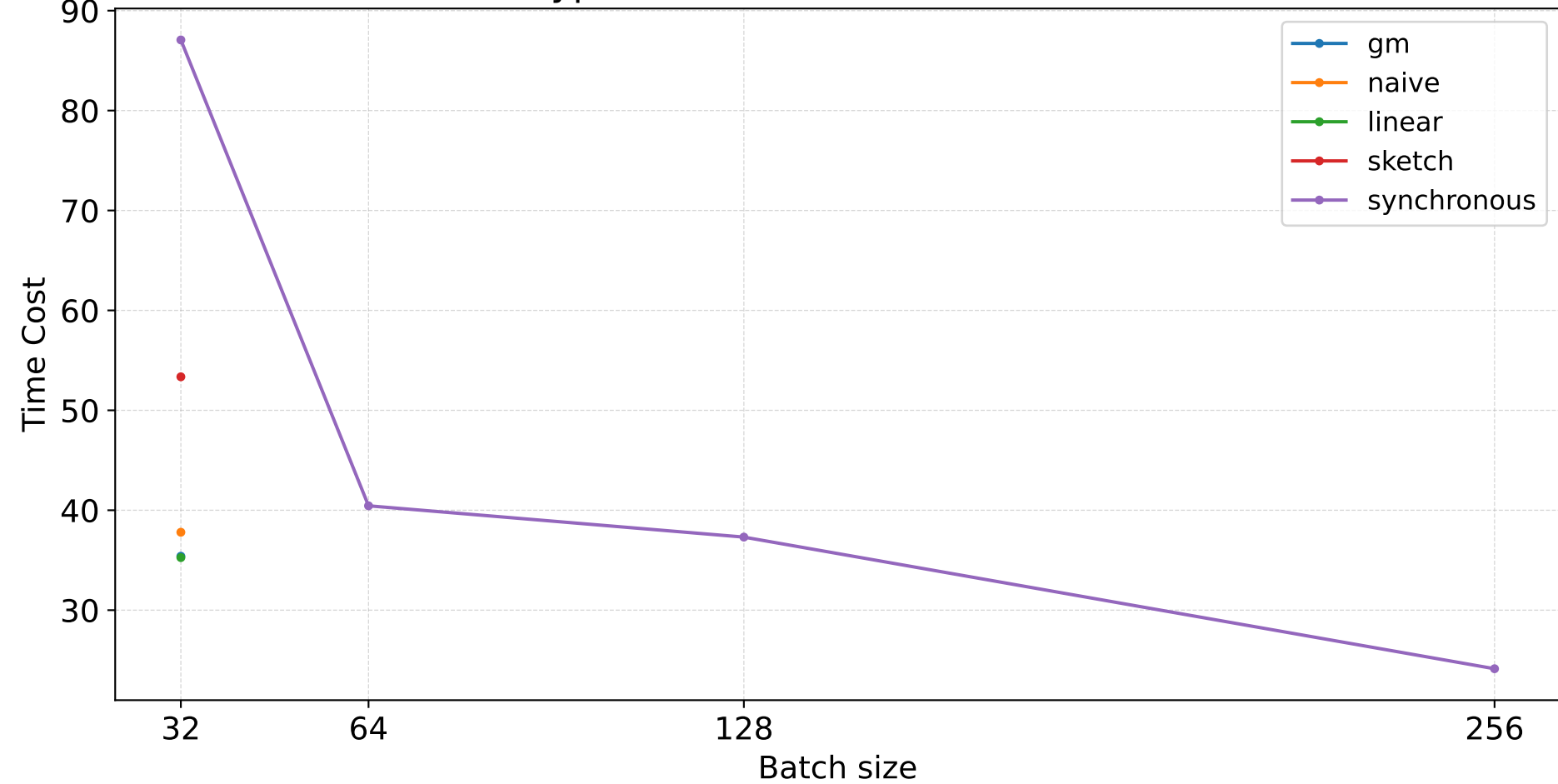


Num Clients : 5 ,  $\Theta$  : 2.0

Common Channel Communication Model

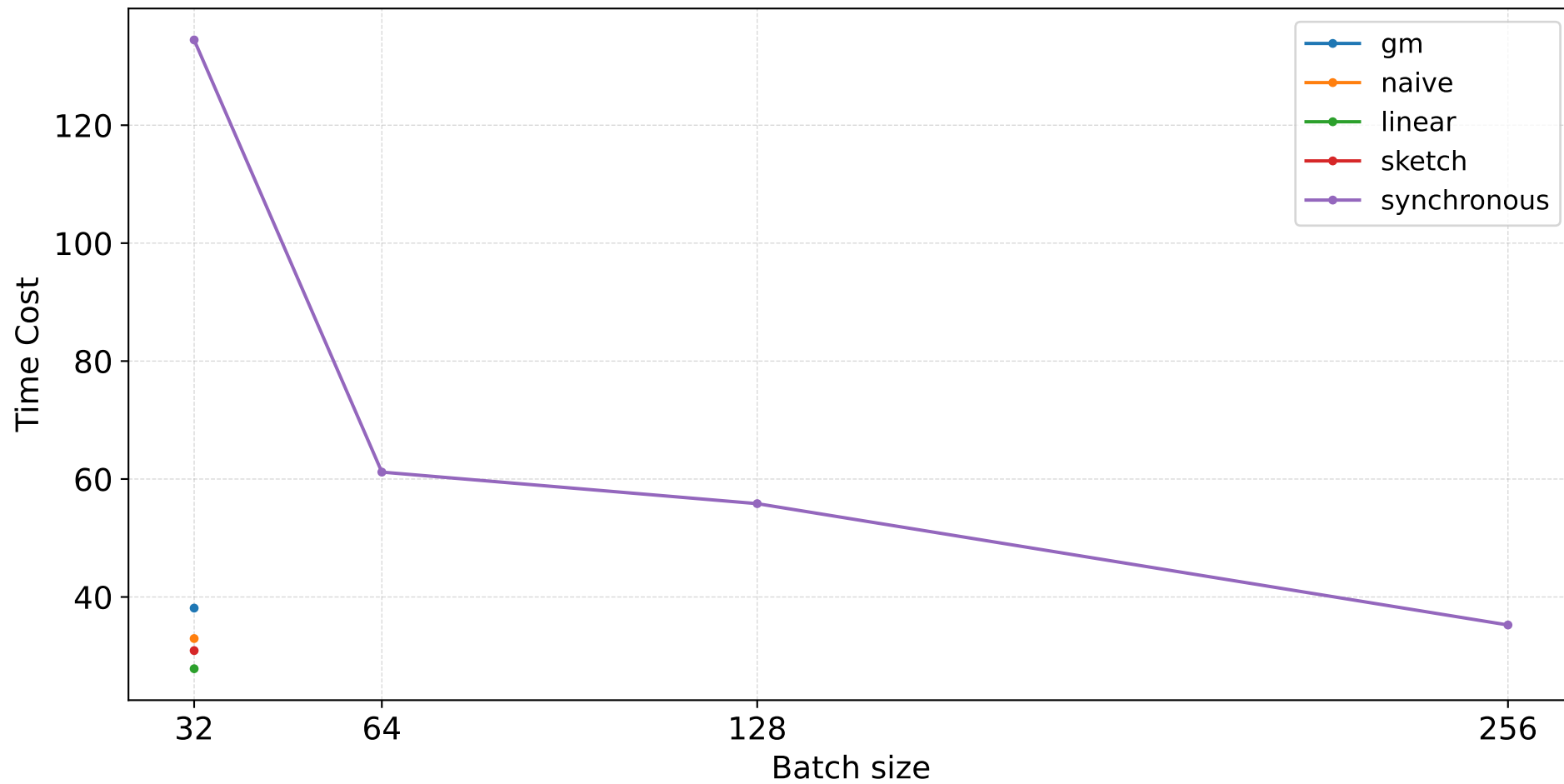


Hypercube Communication Model

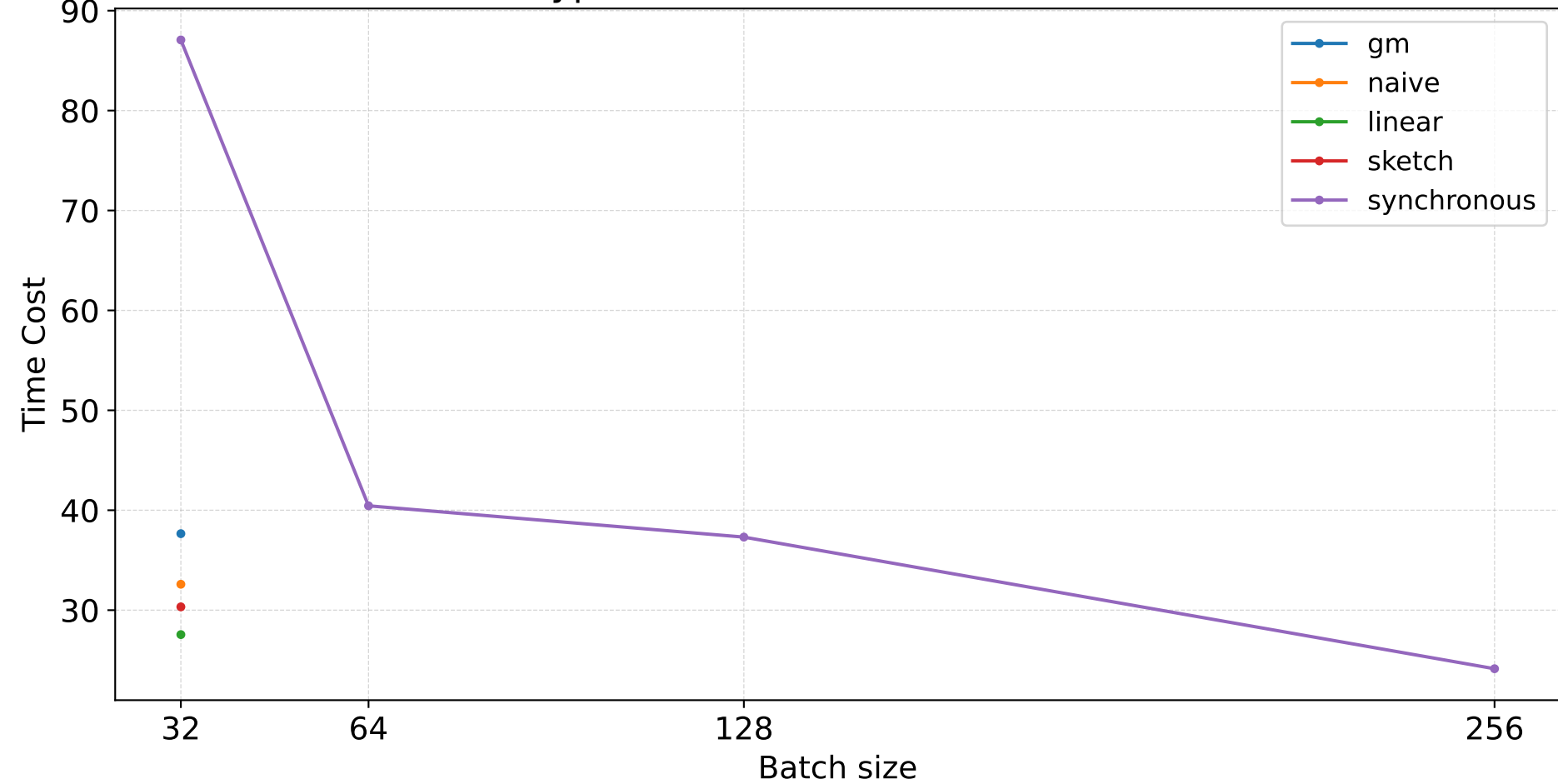


Num Clients : 5 ,  $\Theta$  : 3.0

Common Channel Communication Model

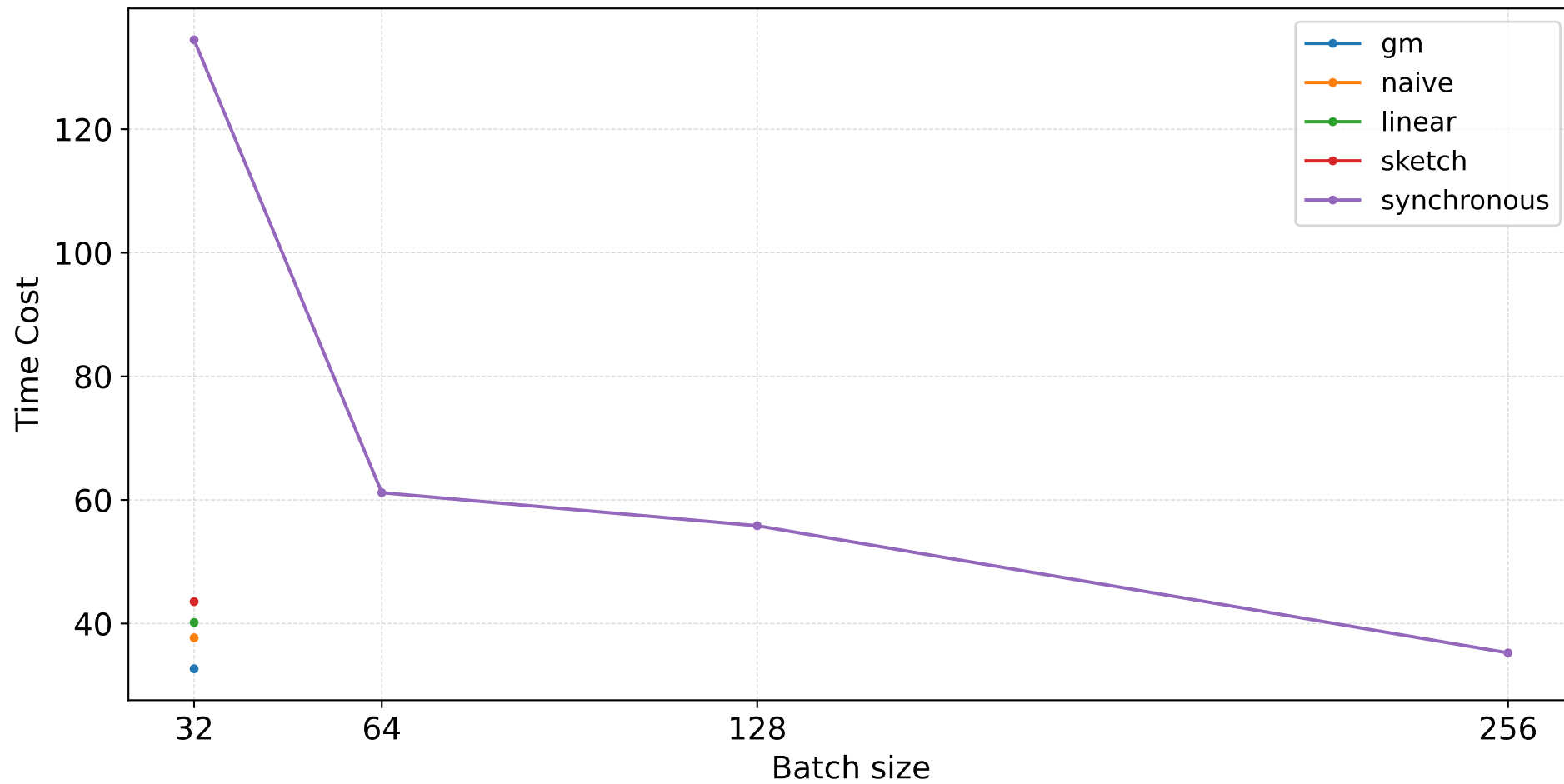


Hypercube Communication Model

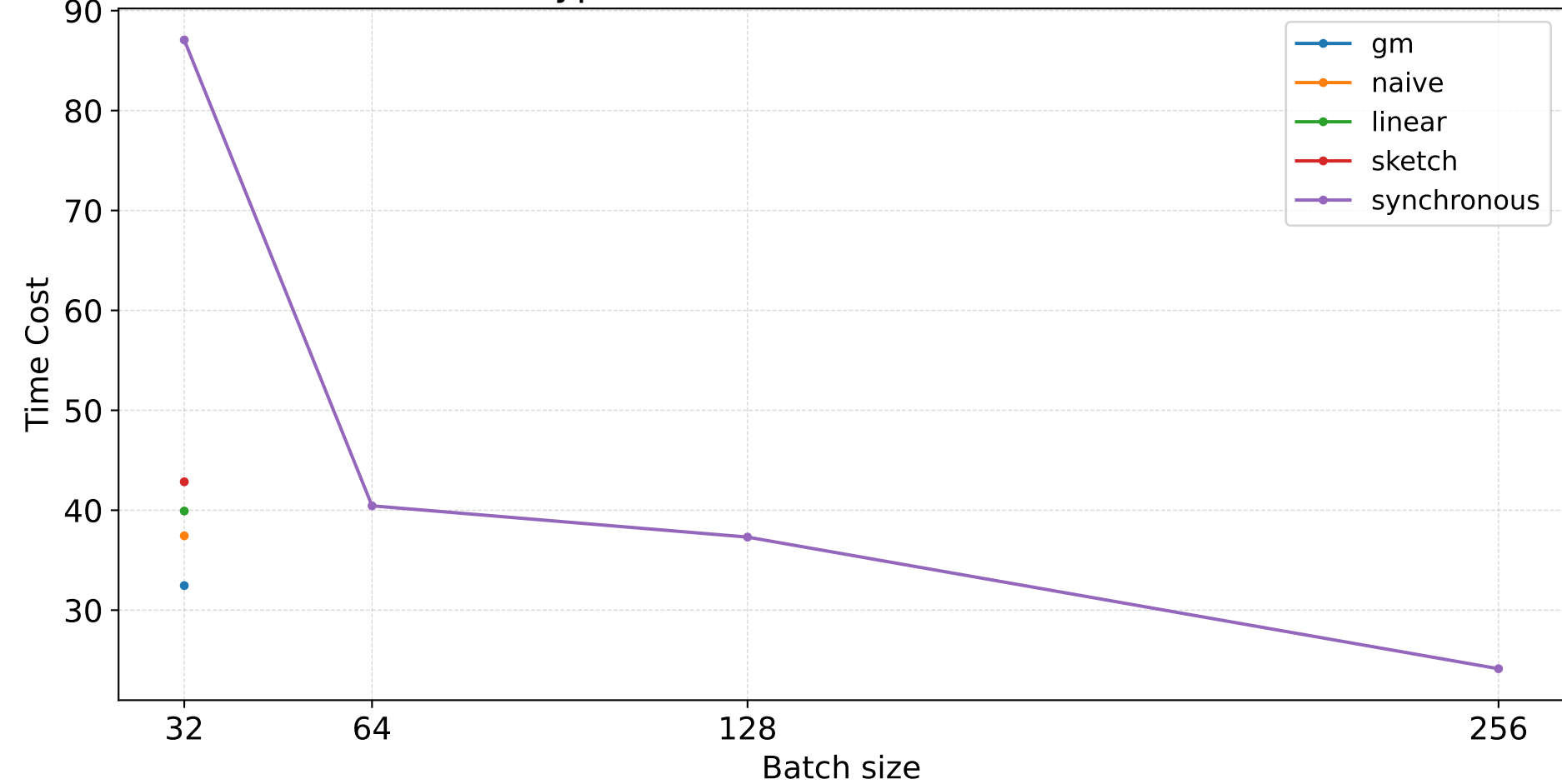


Num Clients : 5 ,  $\Theta$  : 5.0

Common Channel Communication Model

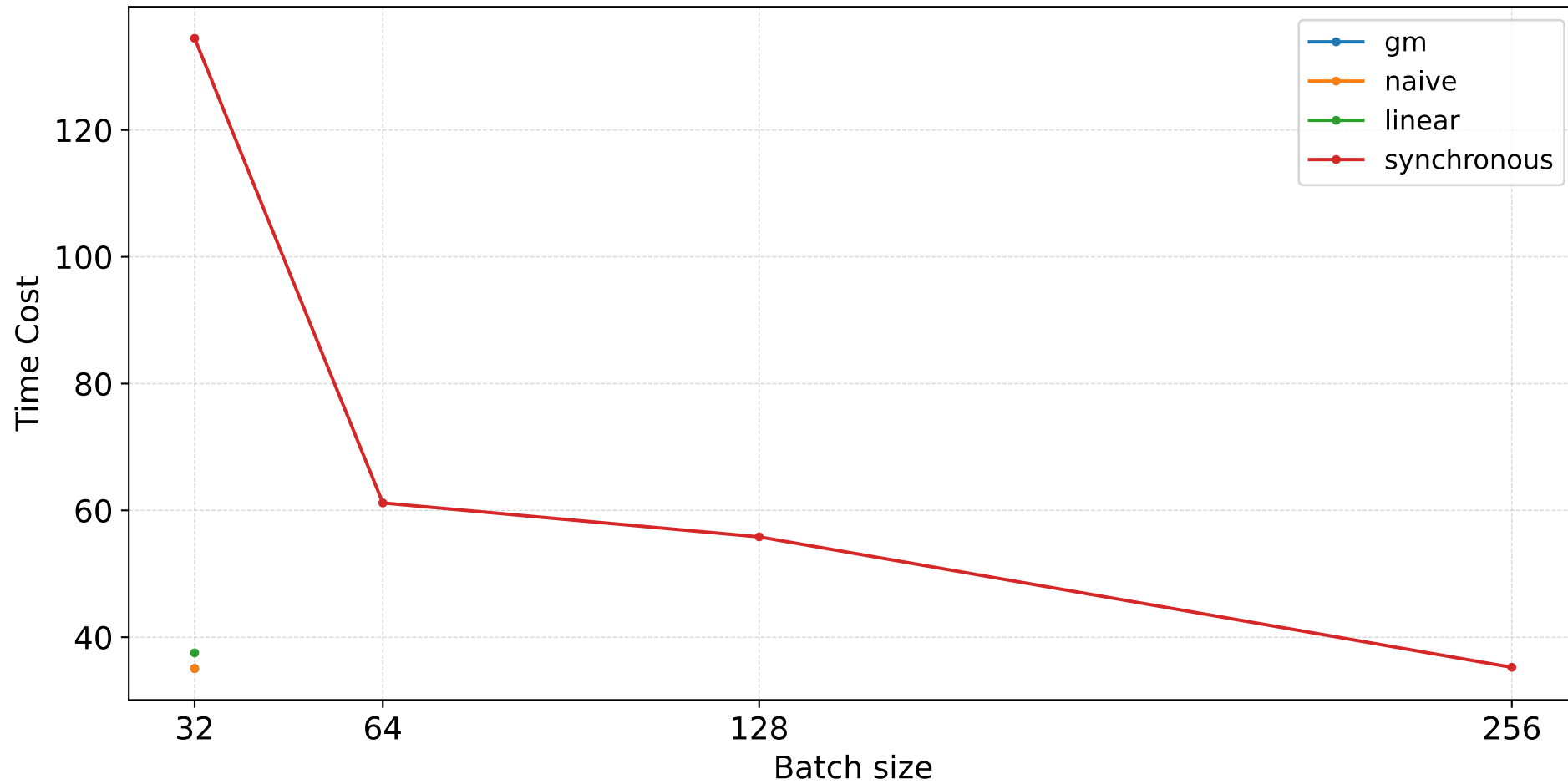


Hypercube Communication Model

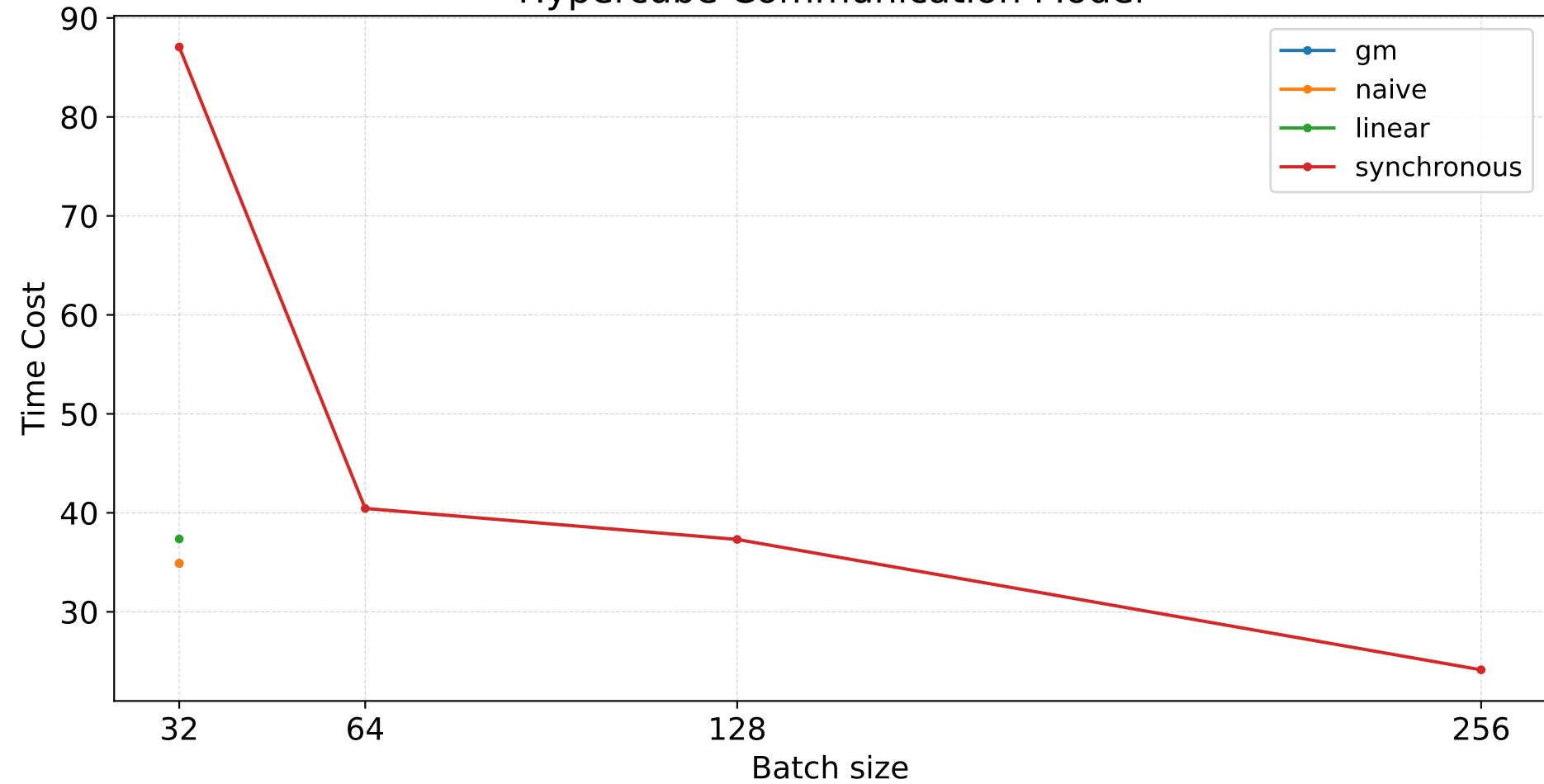


Num Clients : 5 ,  $\Theta$  : 7.0

Common Channel Communication Model

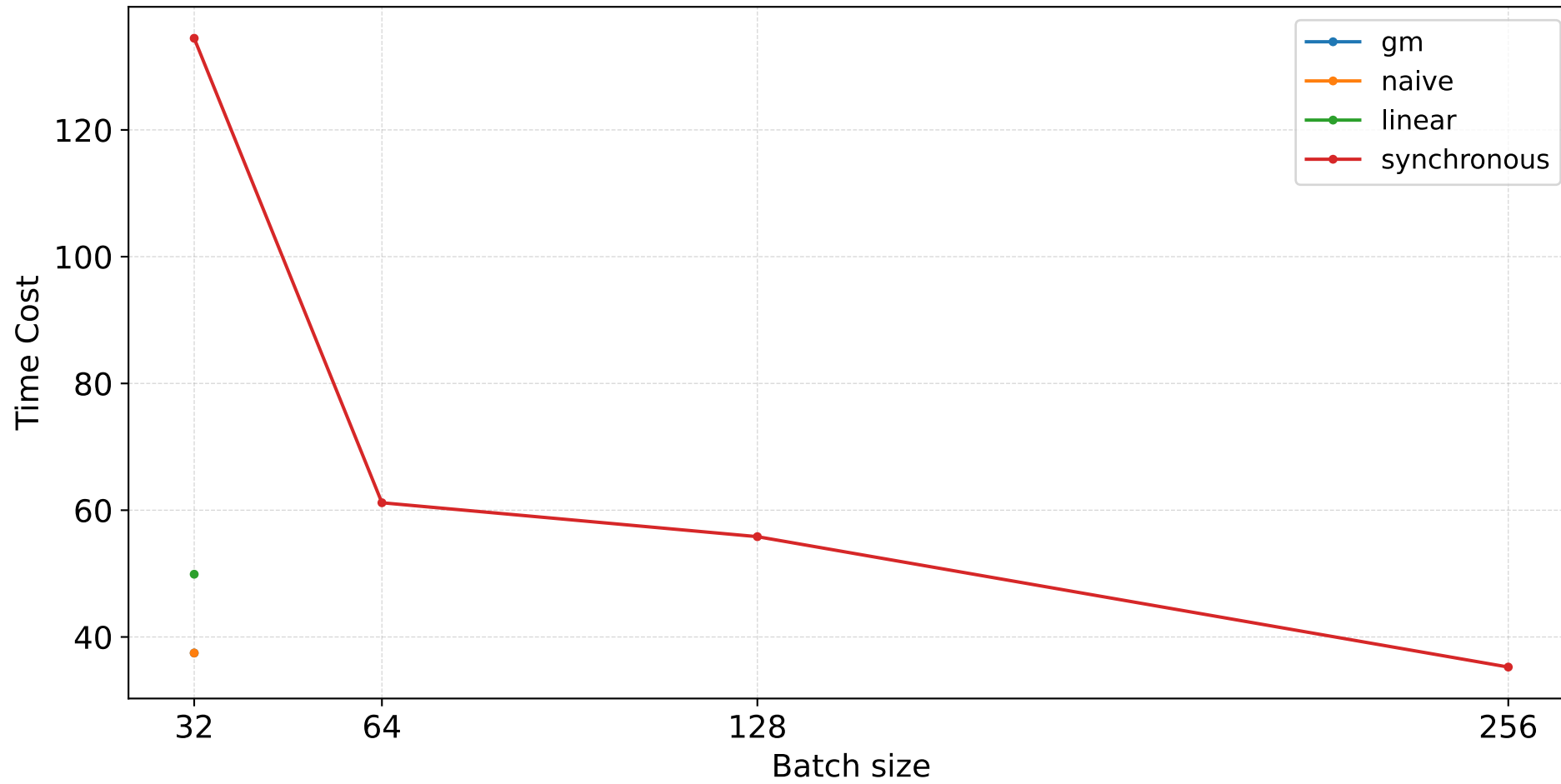


Hypercube Communication Model

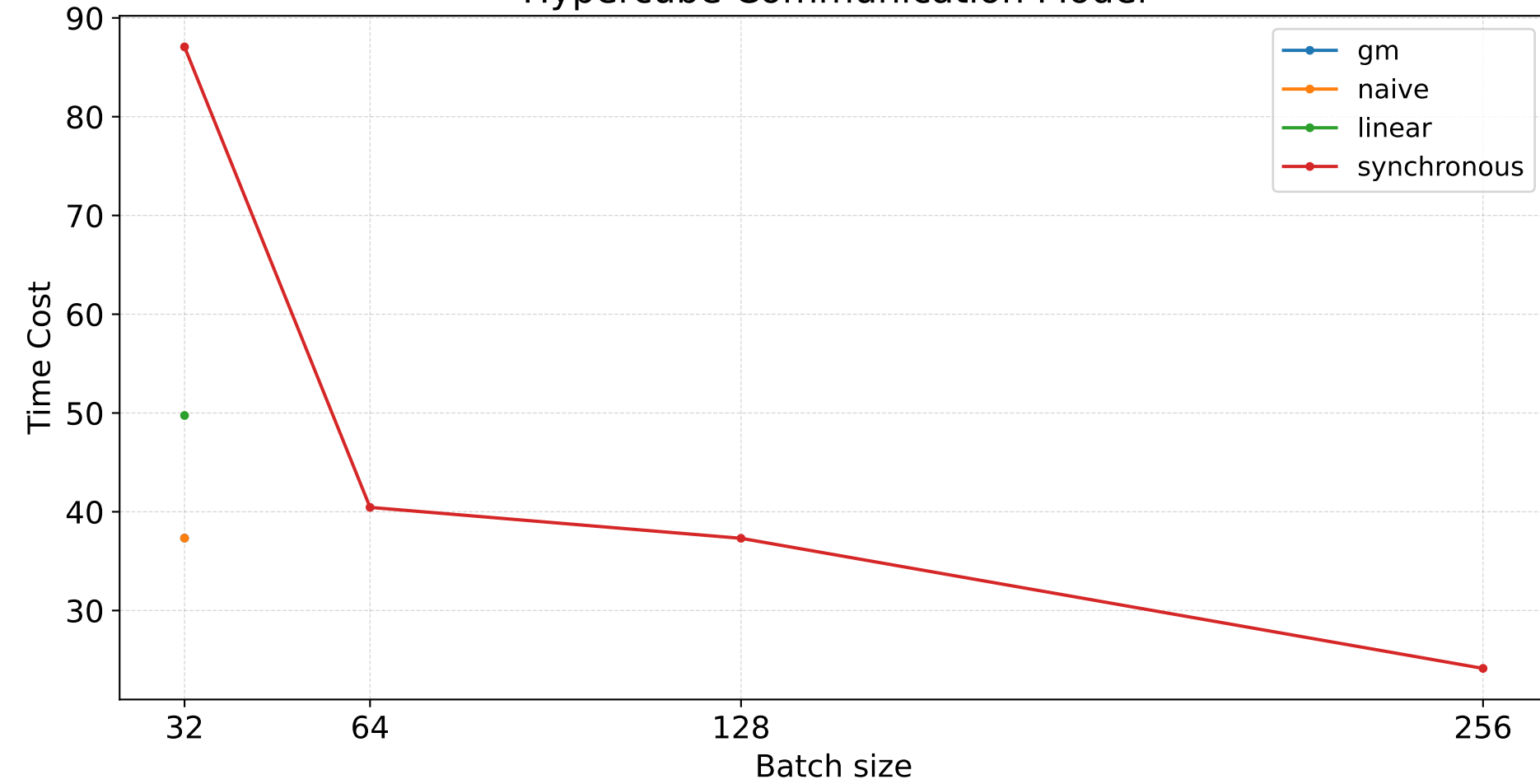


Num Clients : 5 ,  $\Theta$  : 10.0

Common Channel Communication Model



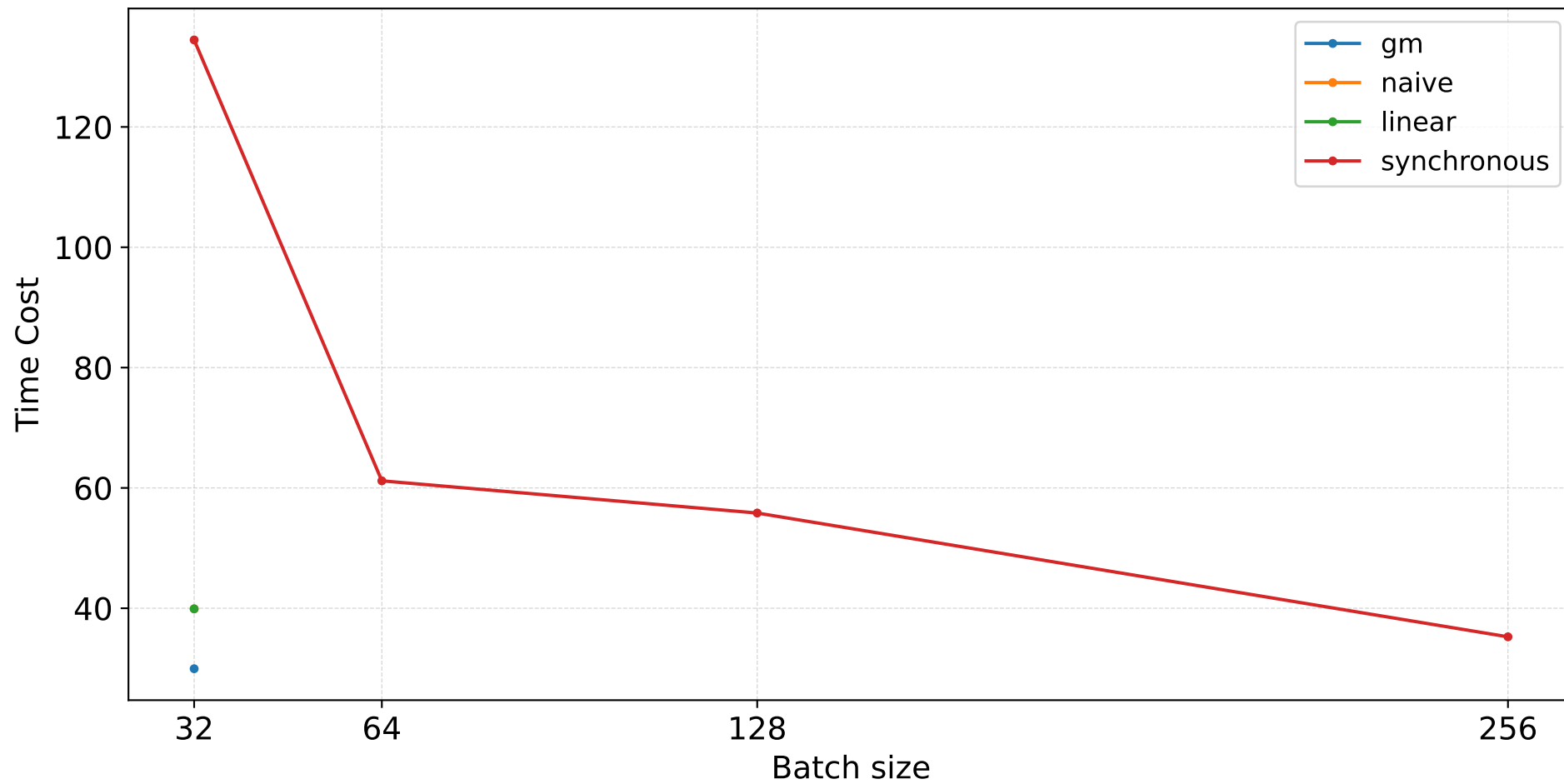
Hypercube Communication Model



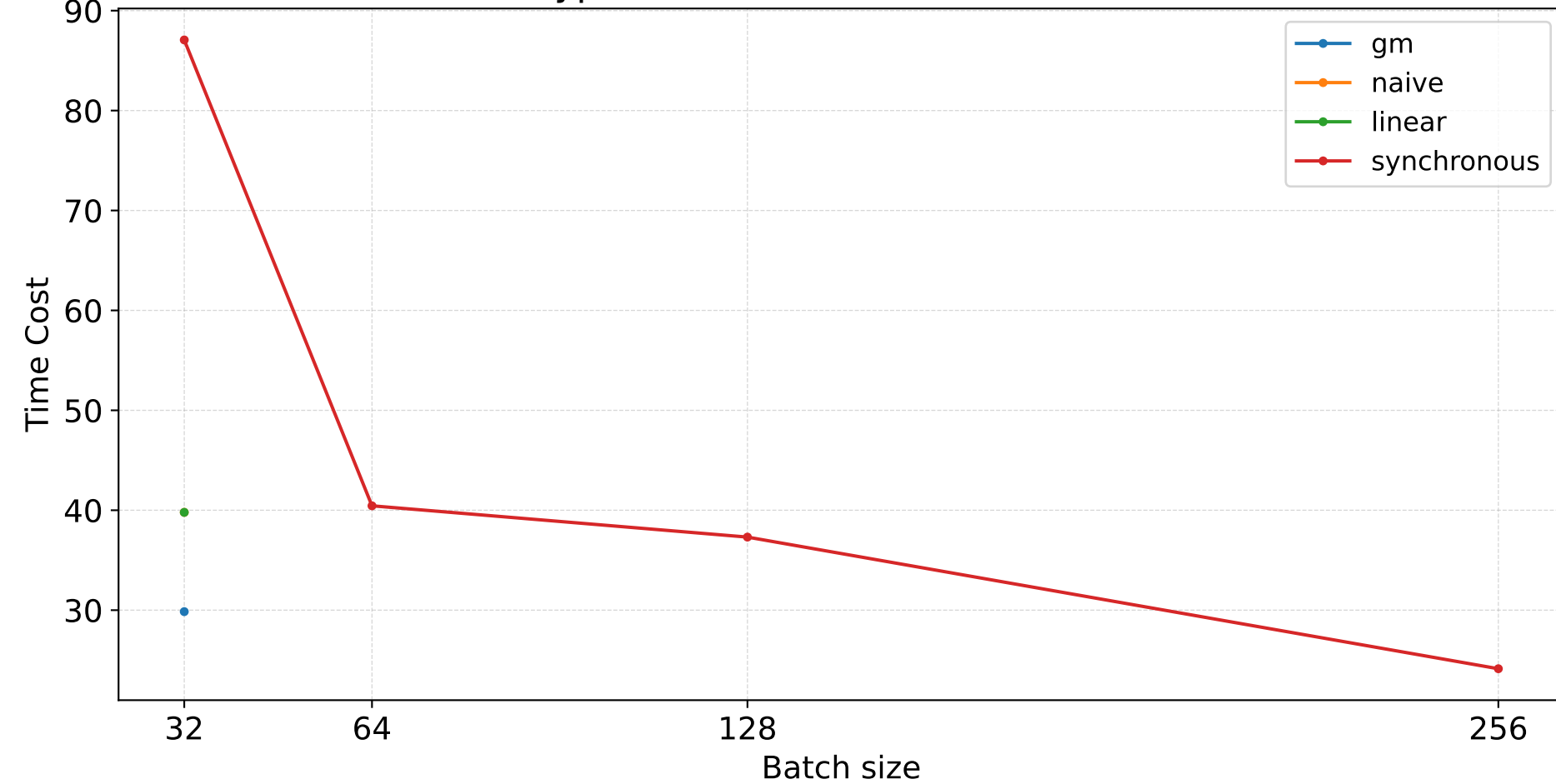


Num Clients : 5 ,  $\Theta$  : 12.0

Common Channel Communication Model

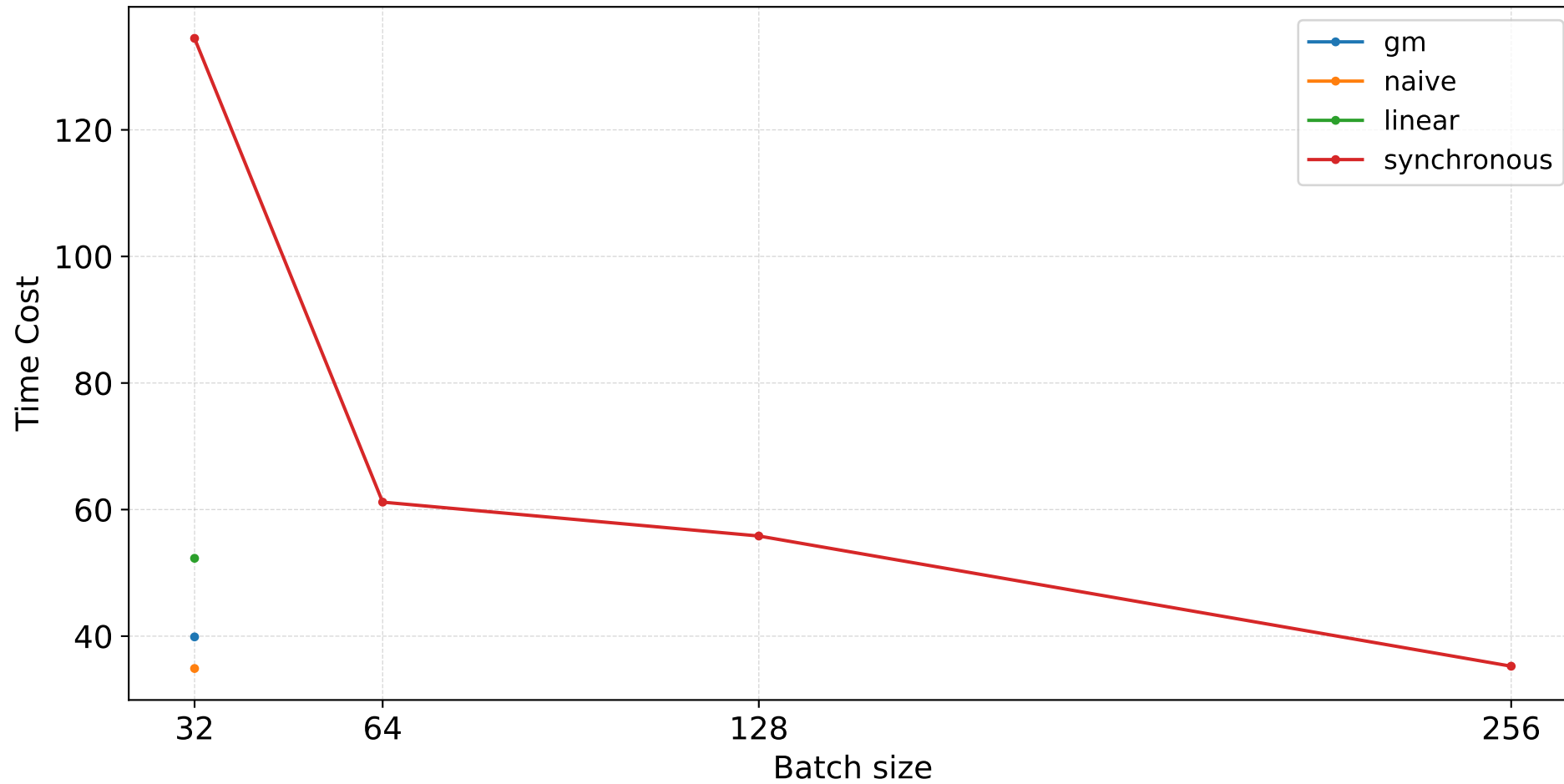


Hypercube Communication Model

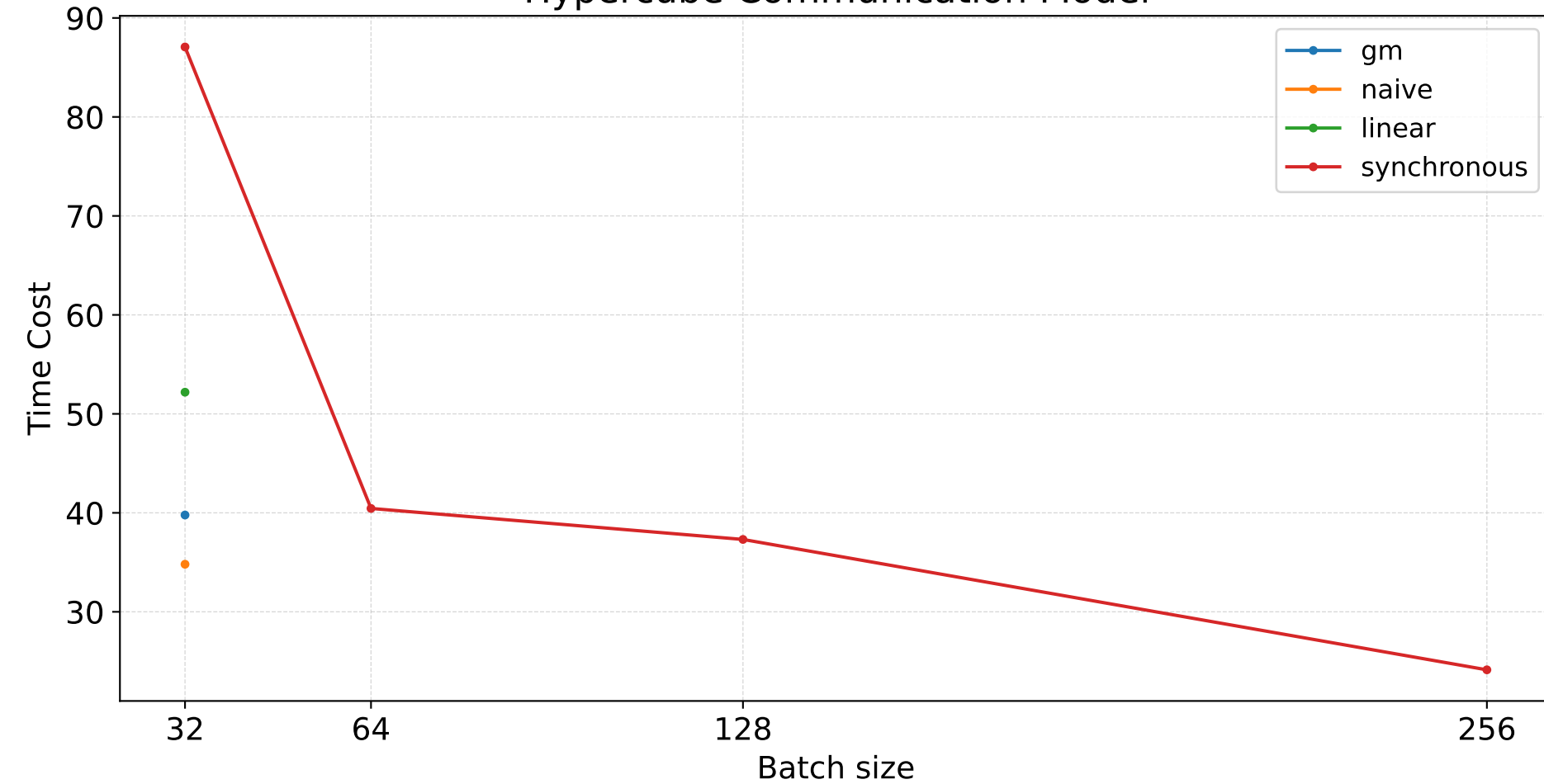


Num Clients : 5 ,  $\Theta$  : 15.0

Common Channel Communication Model

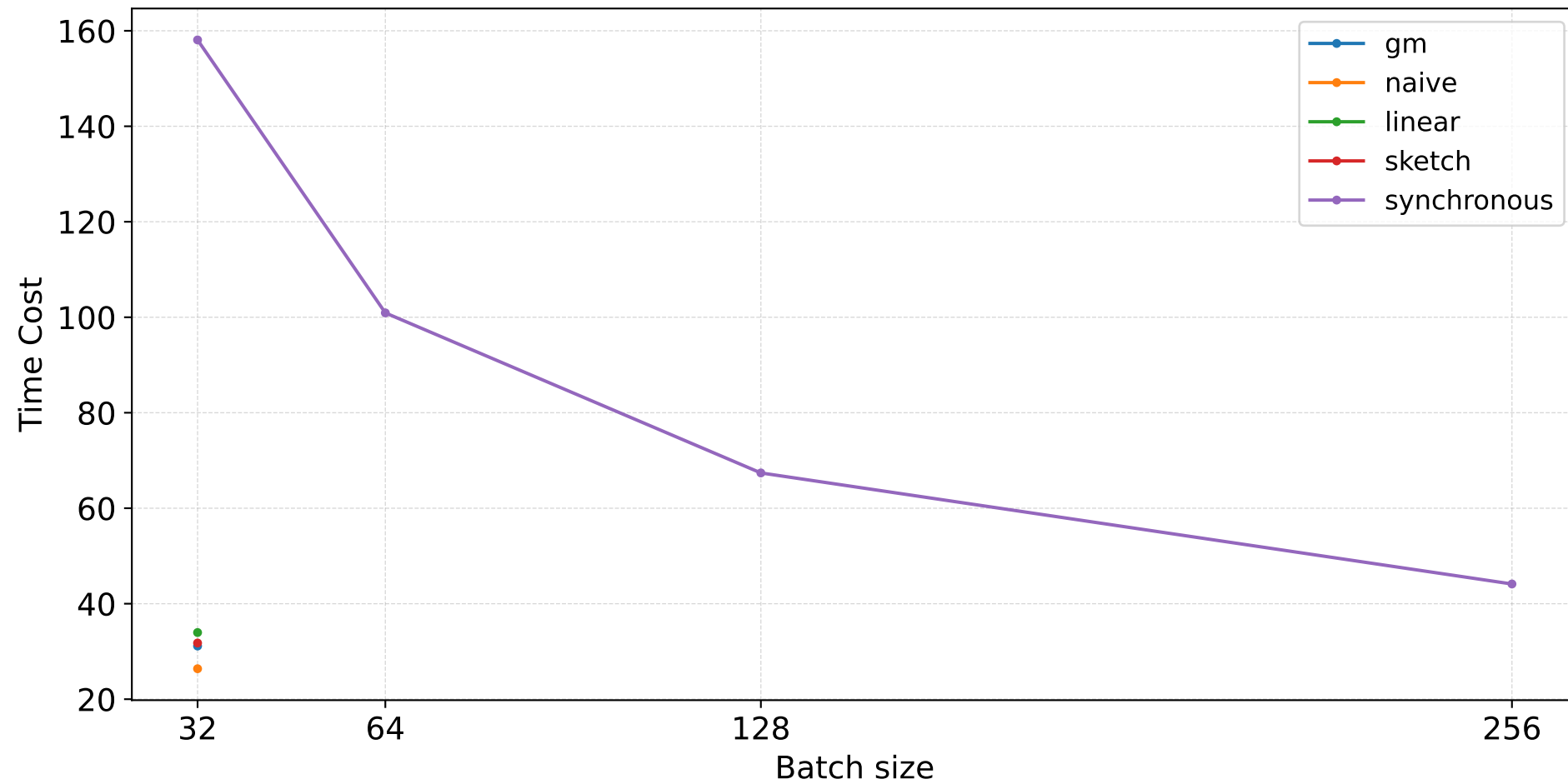


Hypercube Communication Model

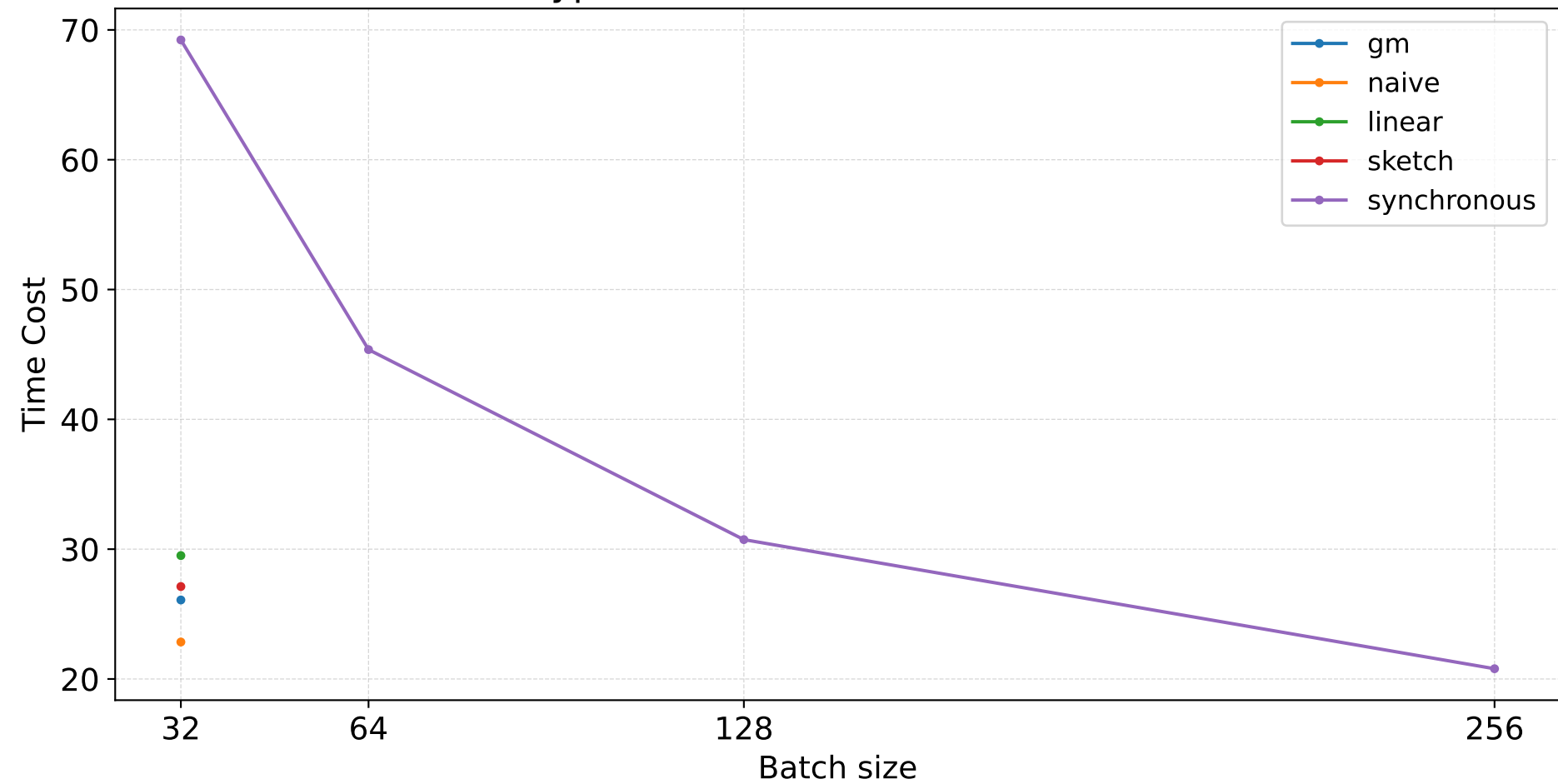


Num Clients : 10 ,  $\Theta$  : 0.5

Common Channel Communication Model

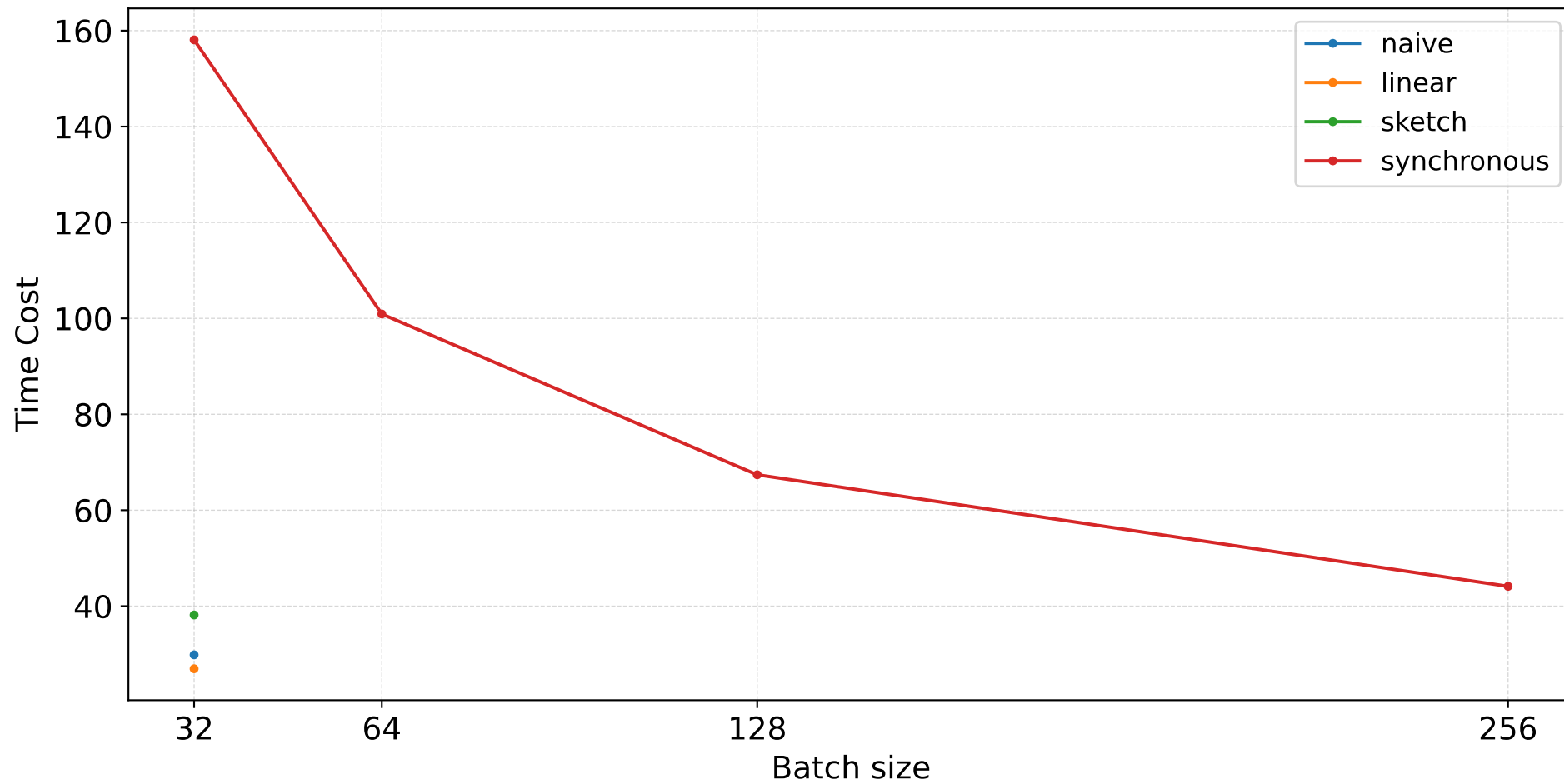


Hypercube Communication Model

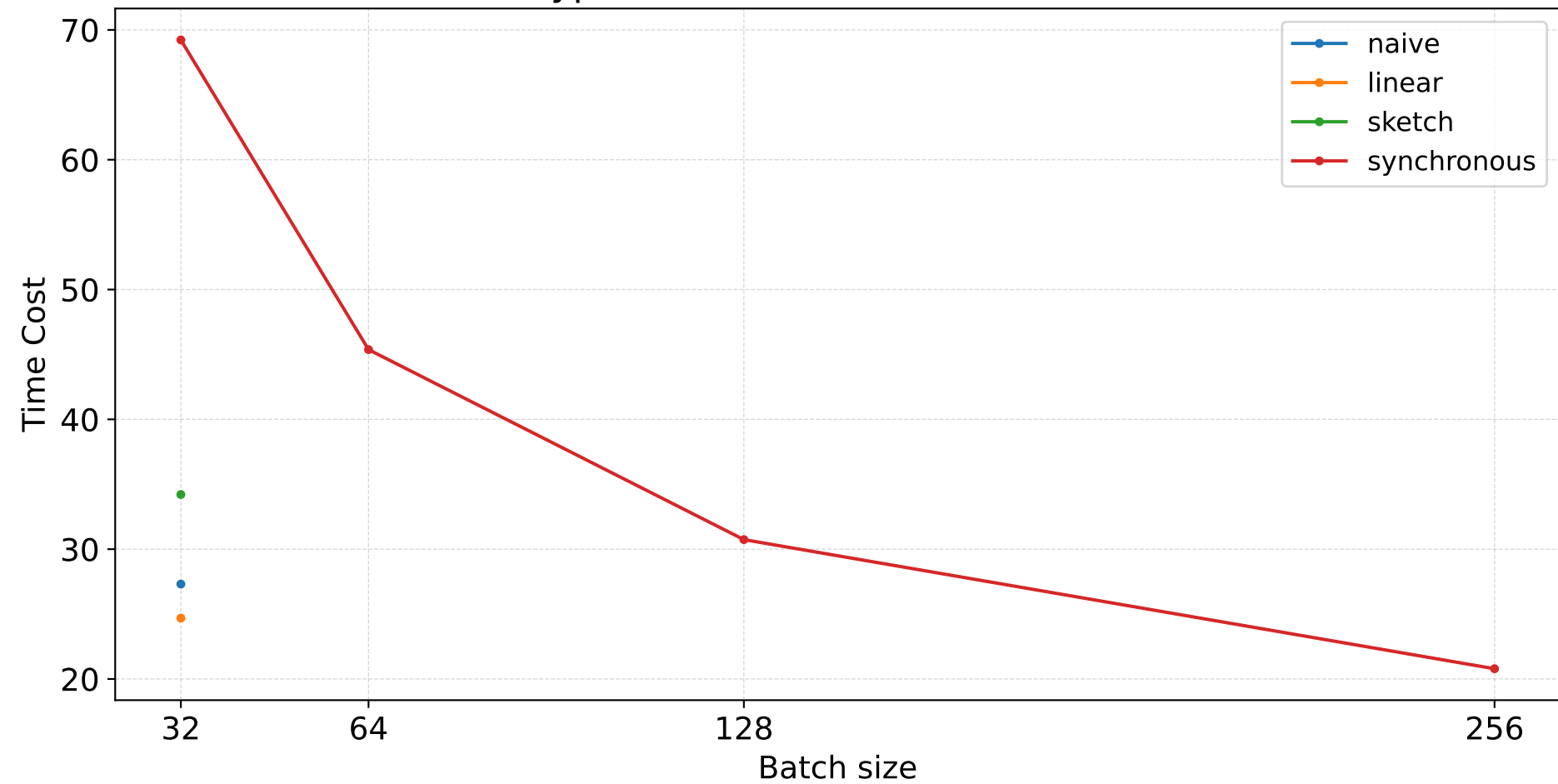


Num Clients : 10 ,  $\Theta$  : 1.0

Common Channel Communication Model

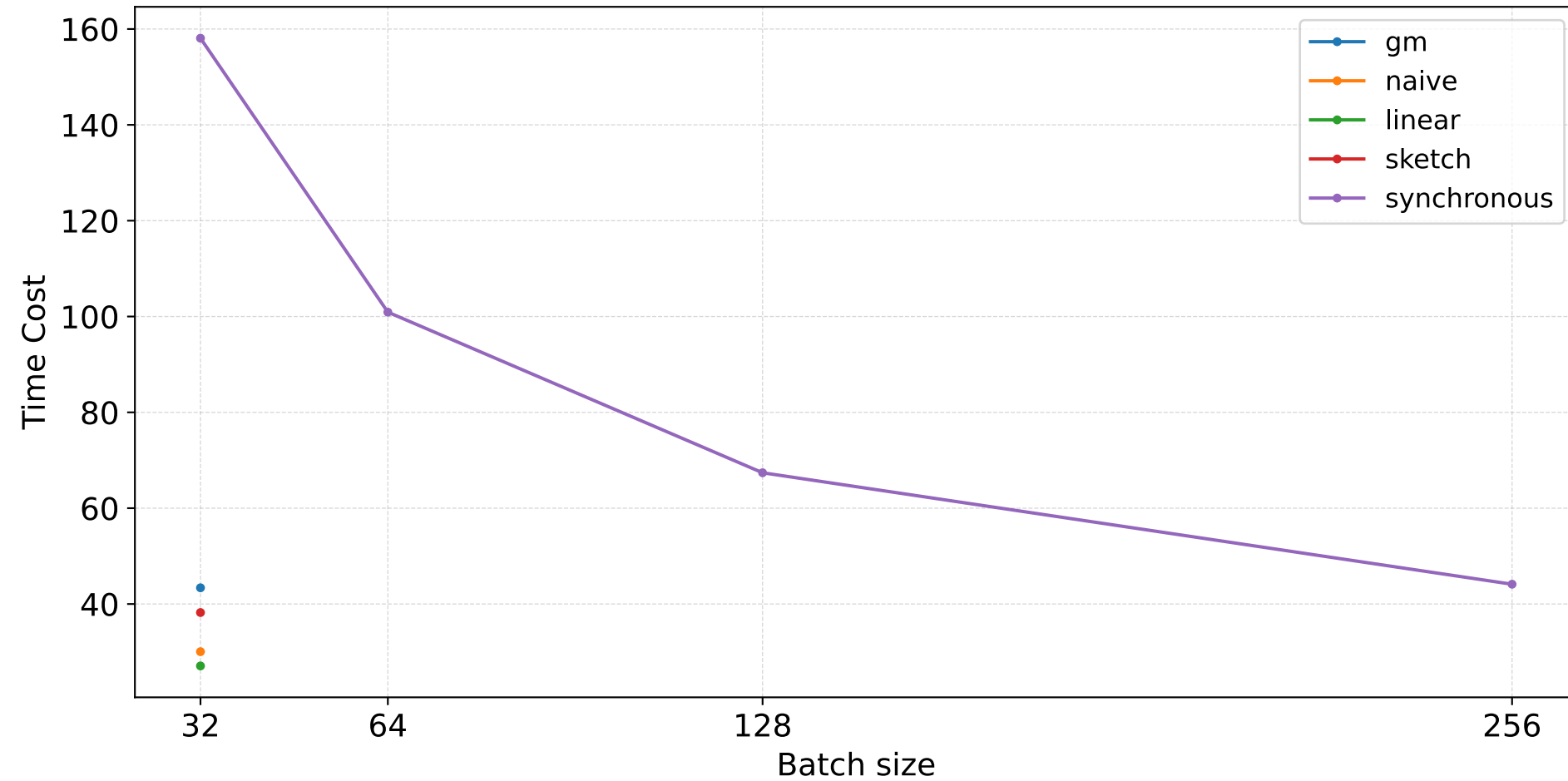


Hypercube Communication Model

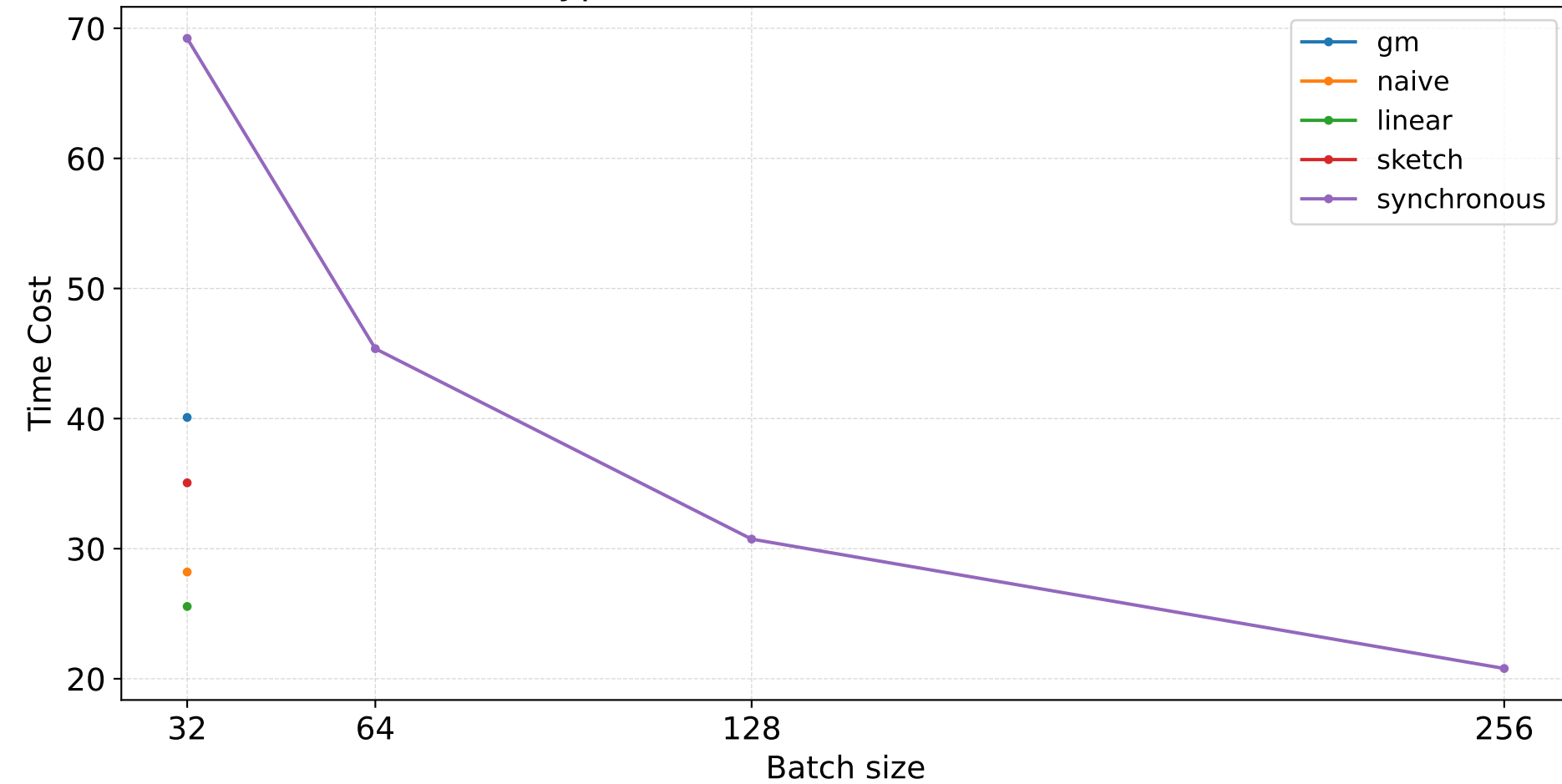


Num Clients : 10 ,  $\Theta$  : 1.5

Common Channel Communication Model

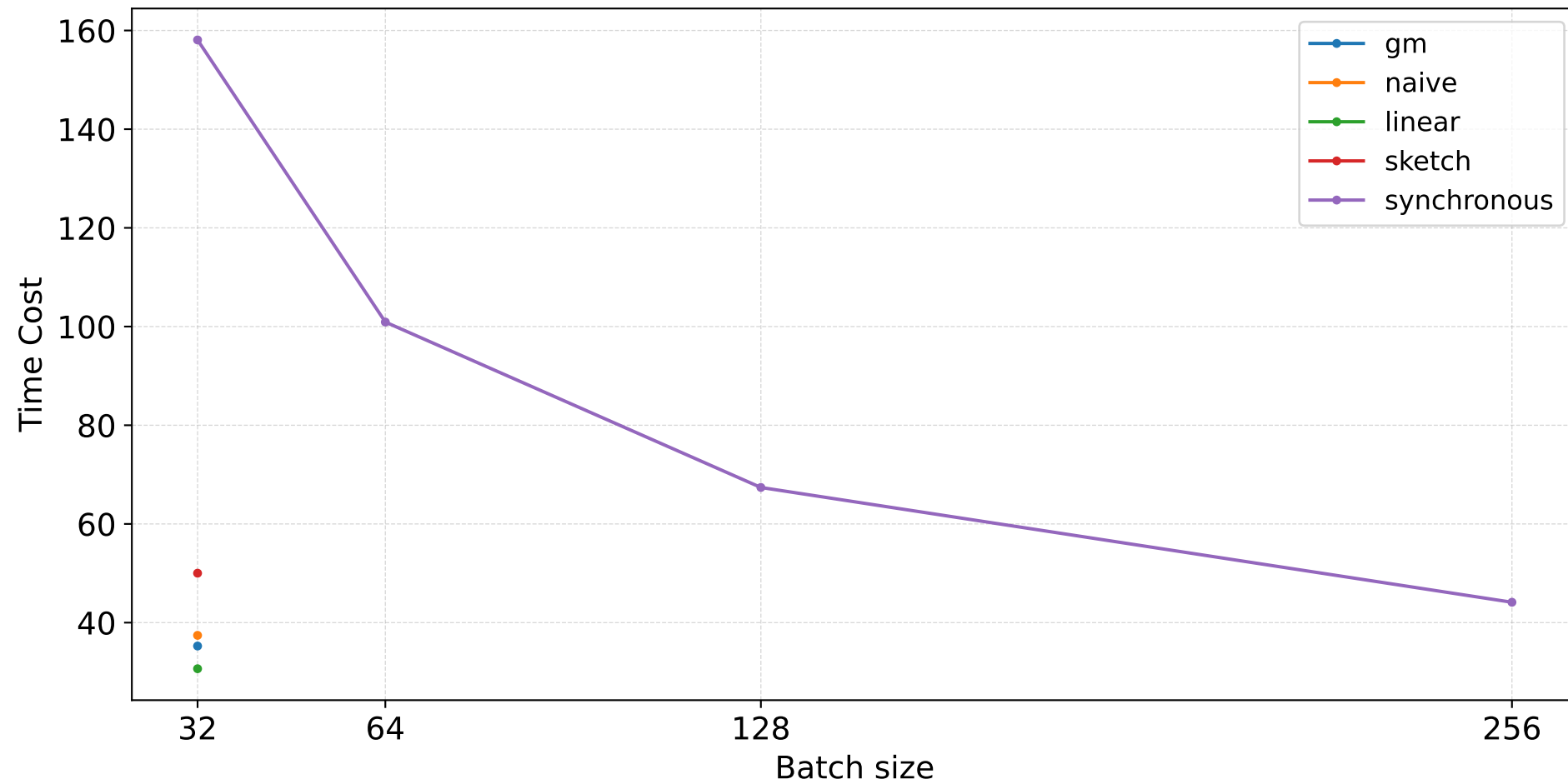


Hypercube Communication Model

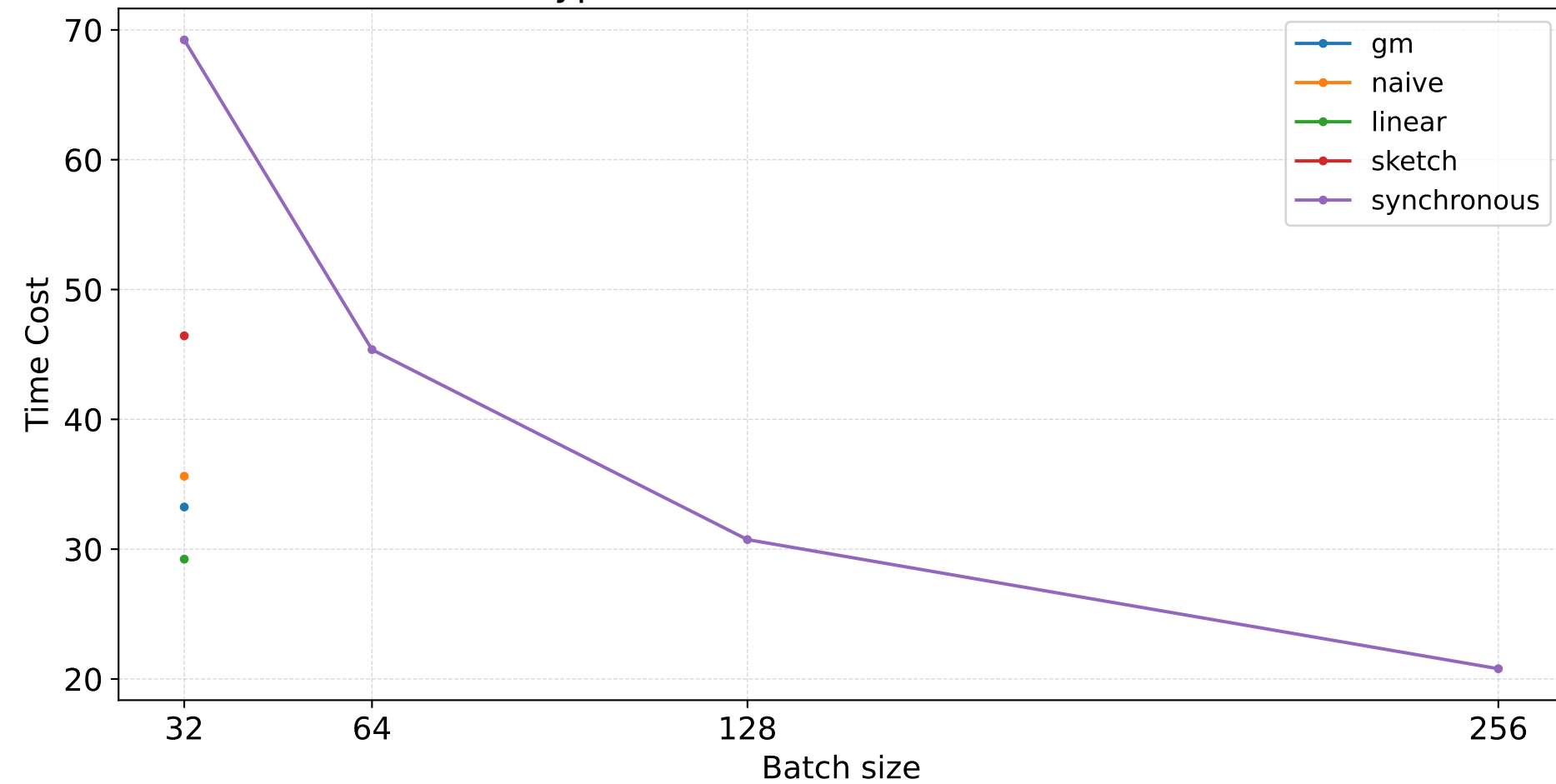


Num Clients : 10 ,  $\Theta$  : 2.0

Common Channel Communication Model

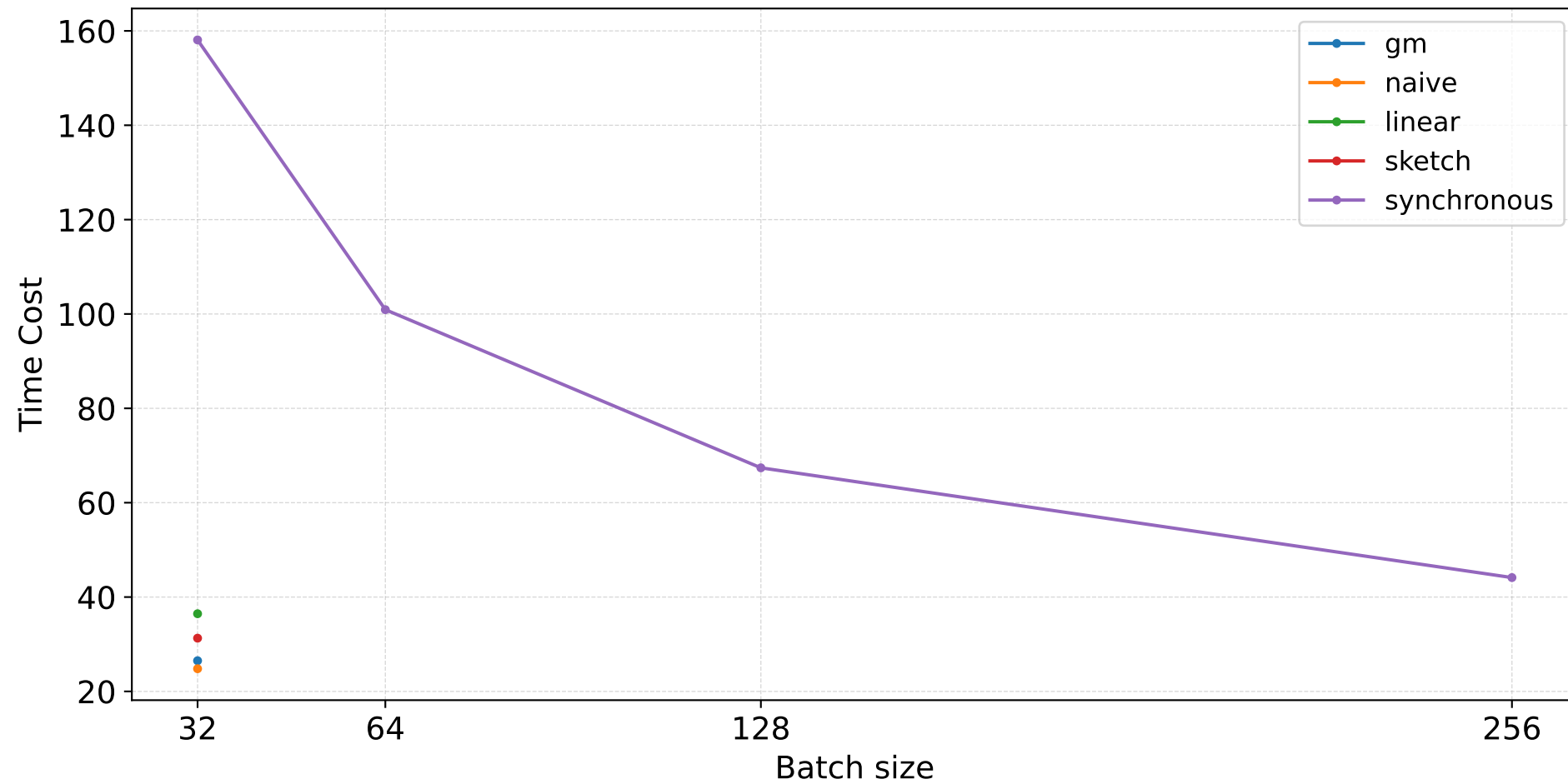


Hypercube Communication Model

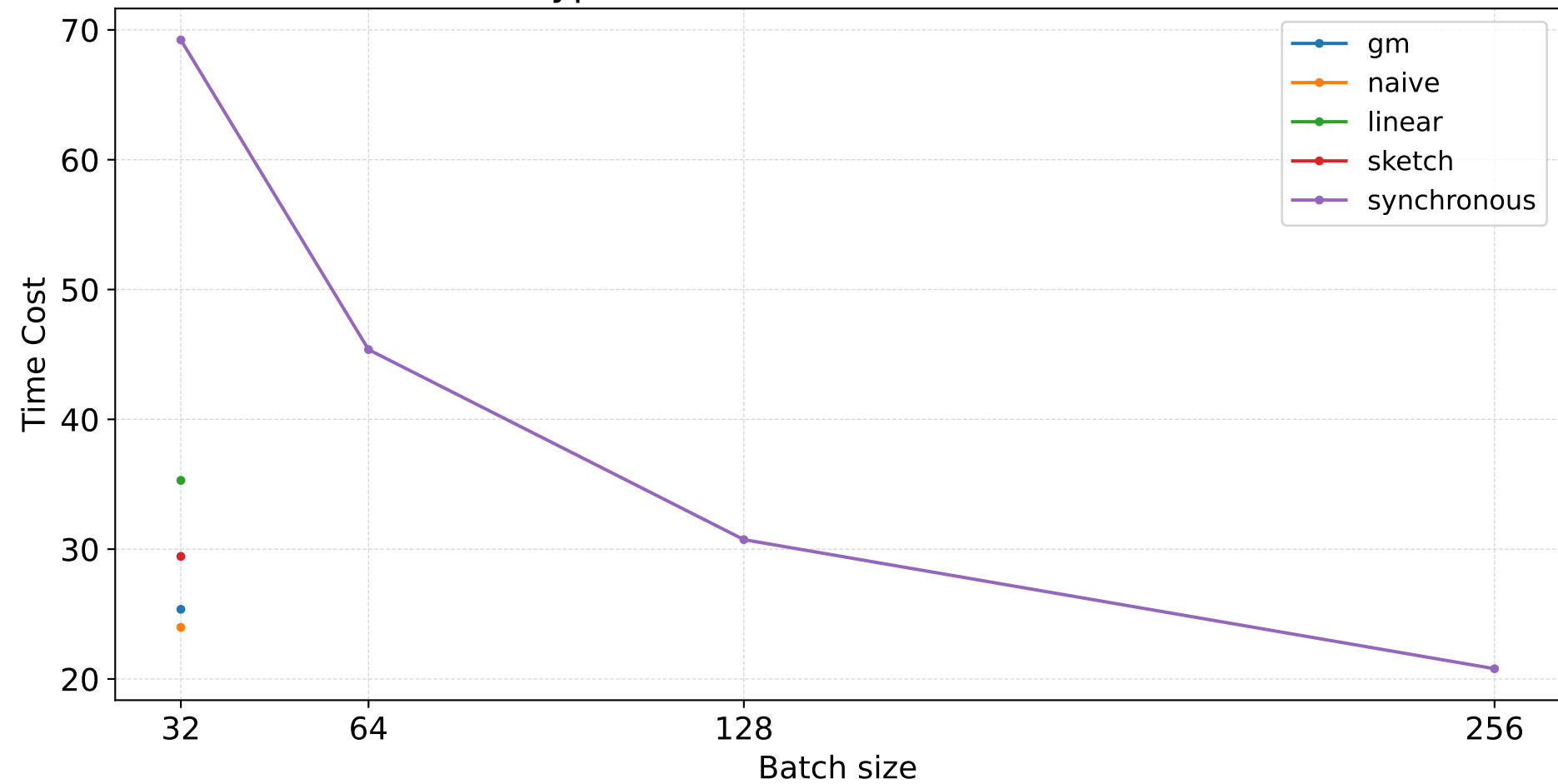


Num Clients : 10 ,  $\Theta$  : 3.0

Common Channel Communication Model

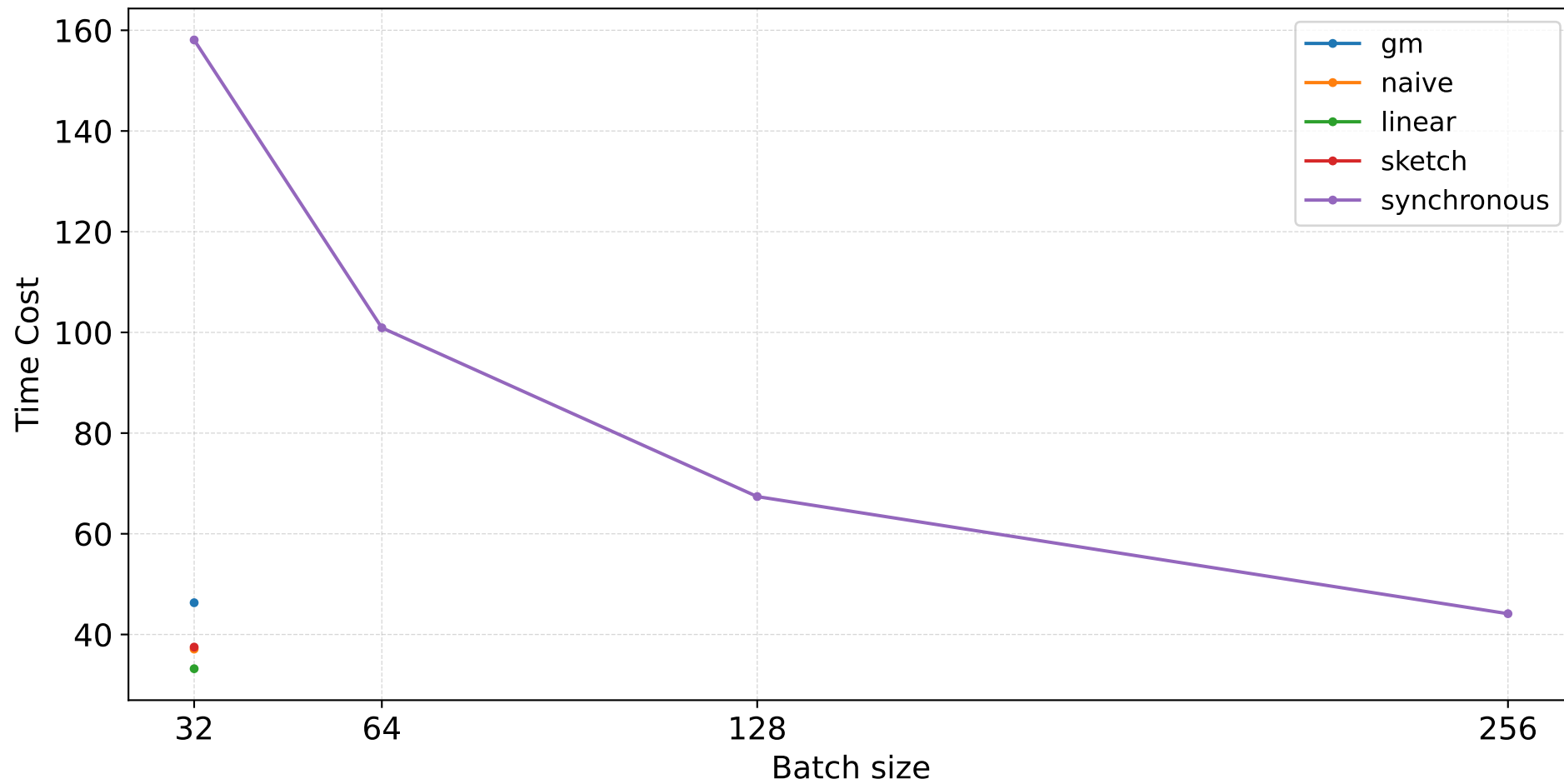


Hypercube Communication Model

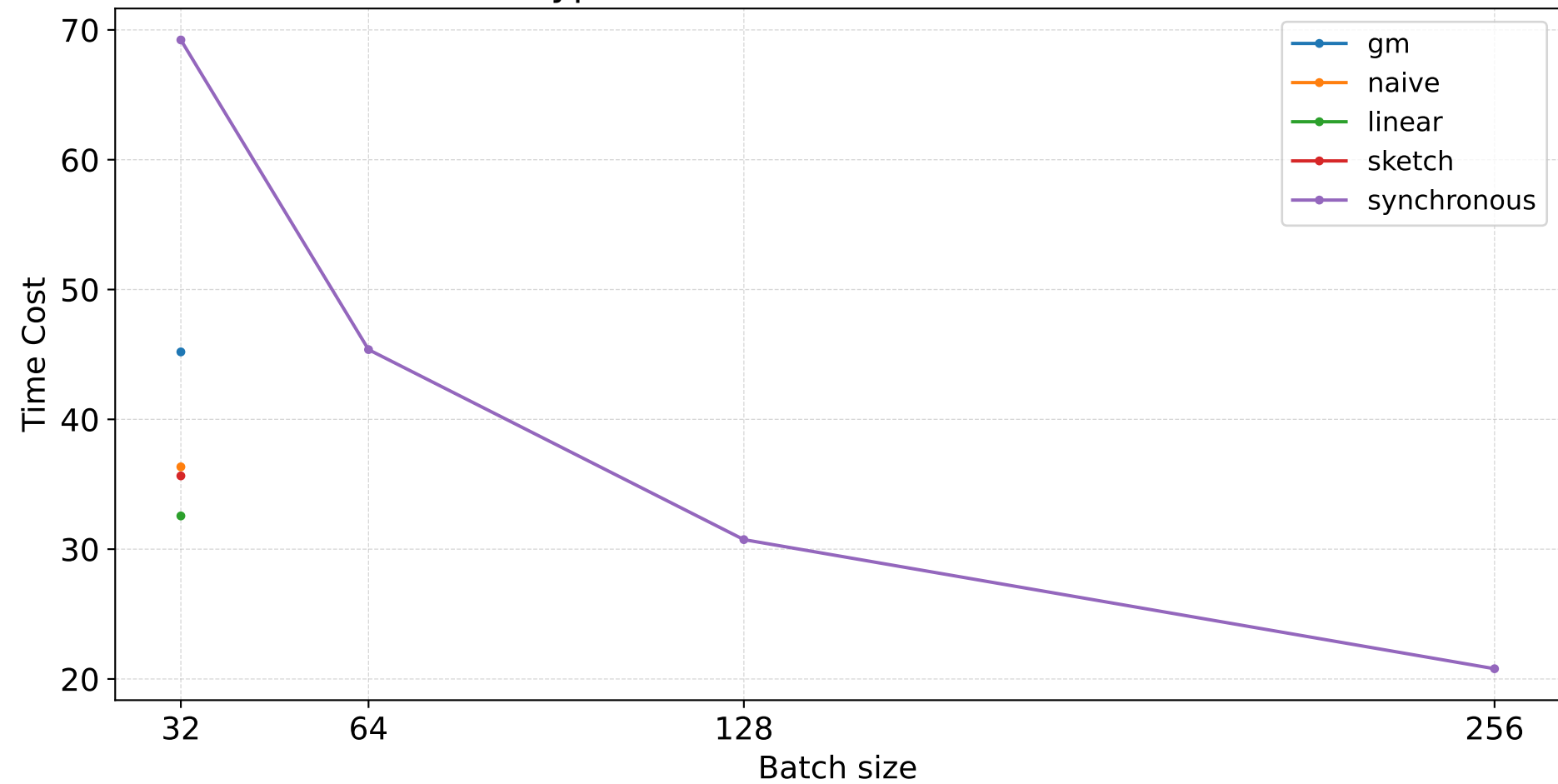


Num Clients : 10 ,  $\Theta$  : 5.0

Common Channel Communication Model



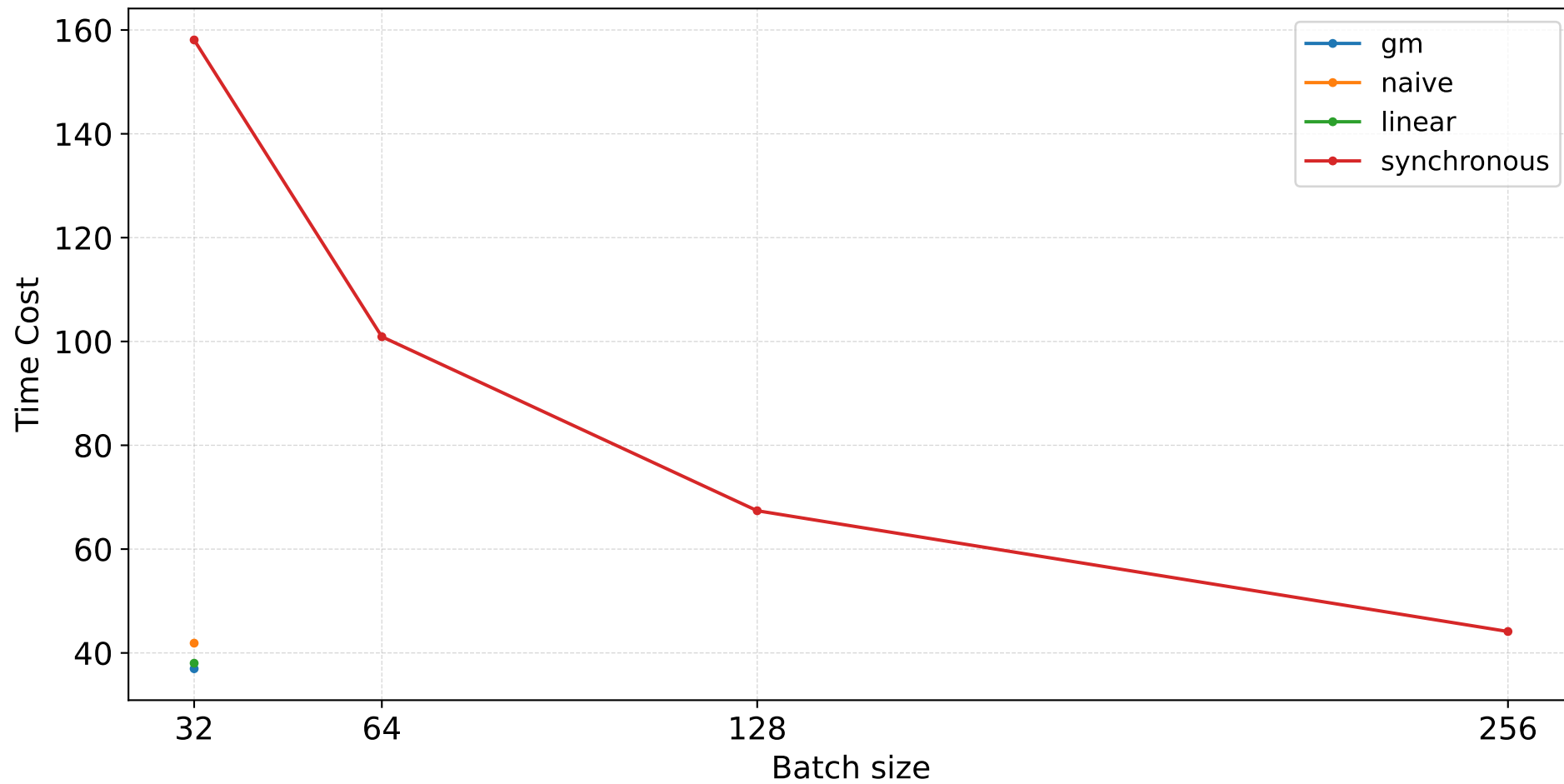
Hypercube Communication Model



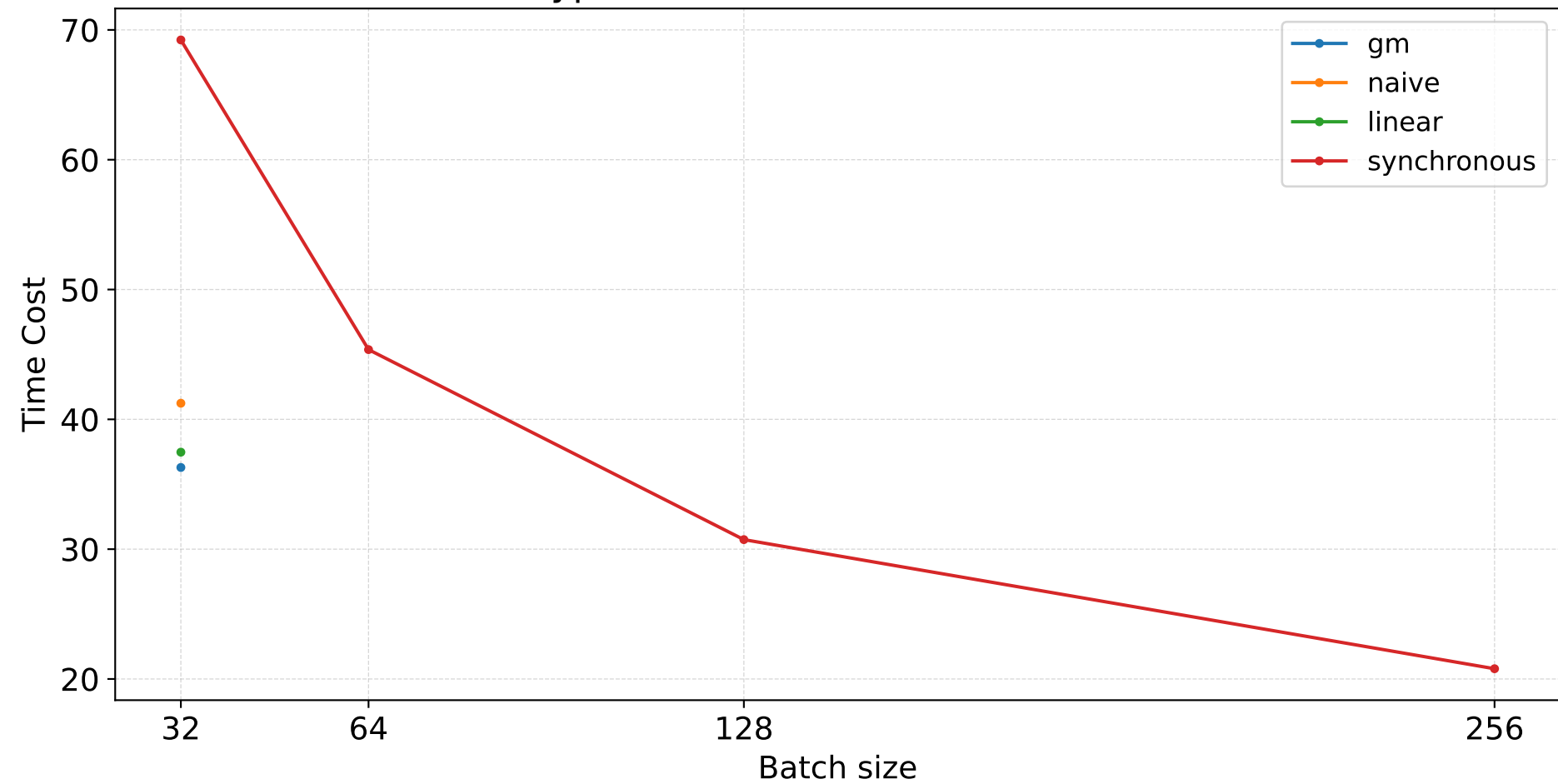


Num Clients : 10 ,  $\Theta$  : 7.0

Common Channel Communication Model

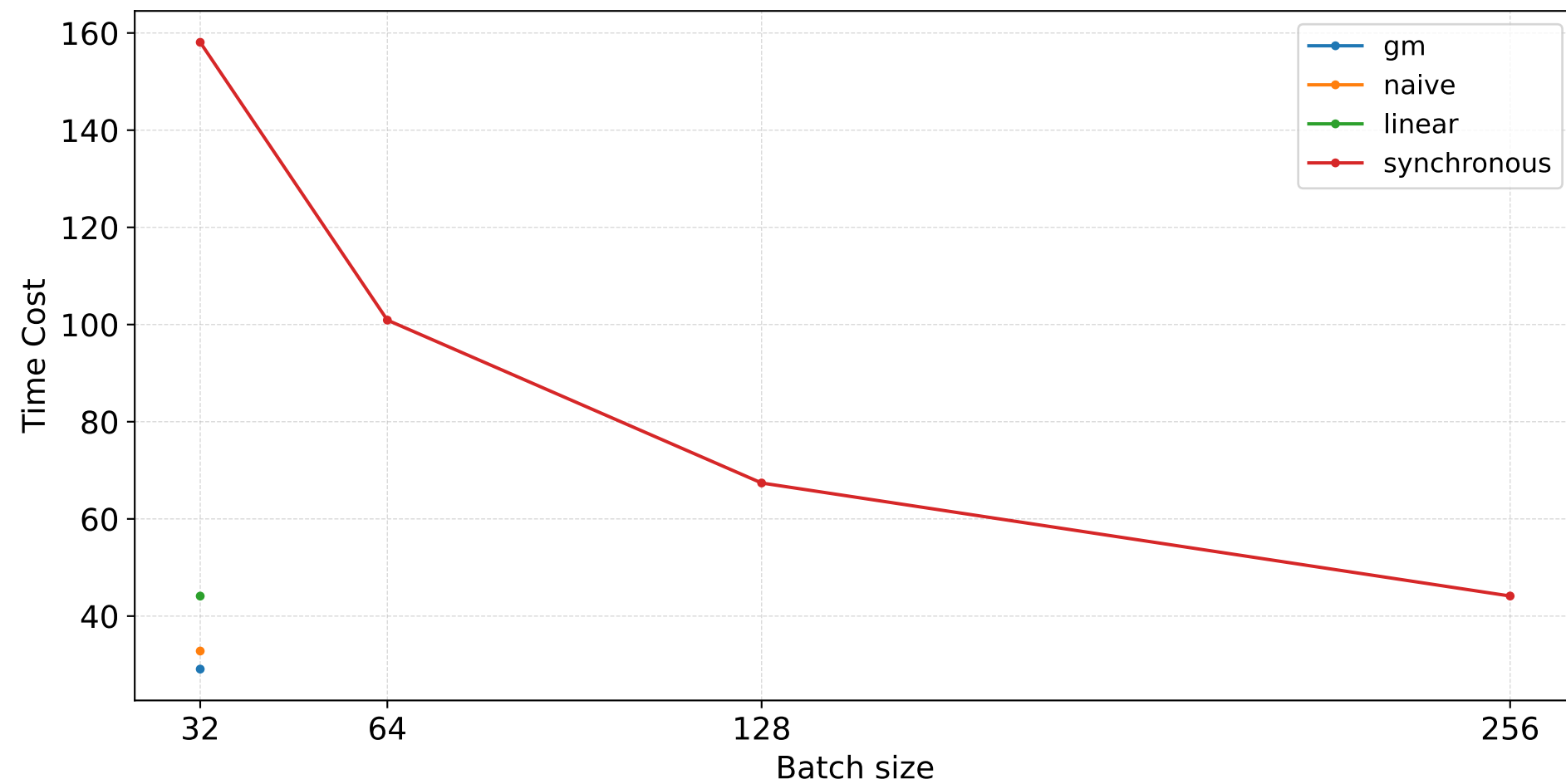


Hypercube Communication Model

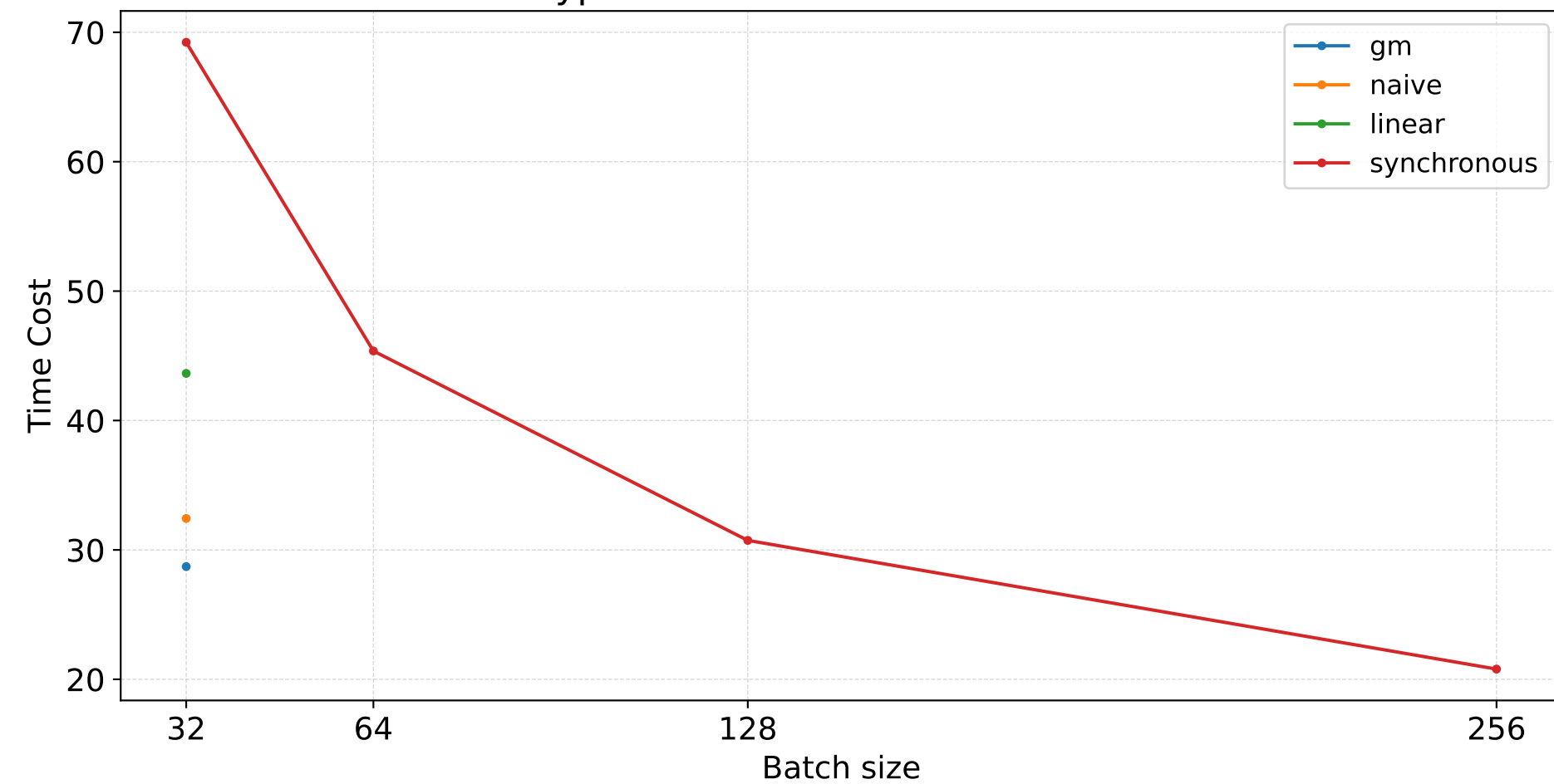


Num Clients : 10 ,  $\Theta$  : 10.0

Common Channel Communication Model

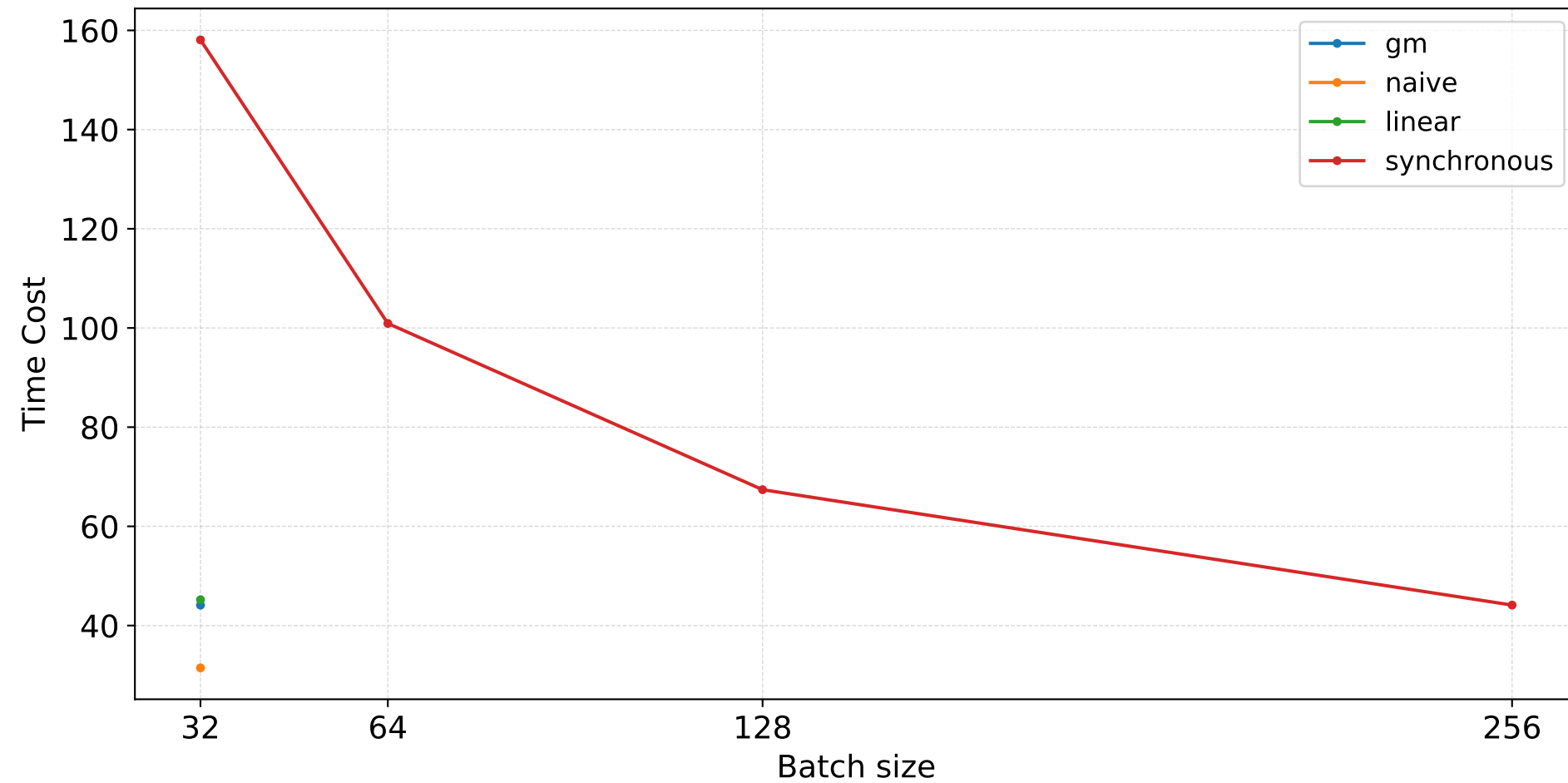


Hypercube Communication Model

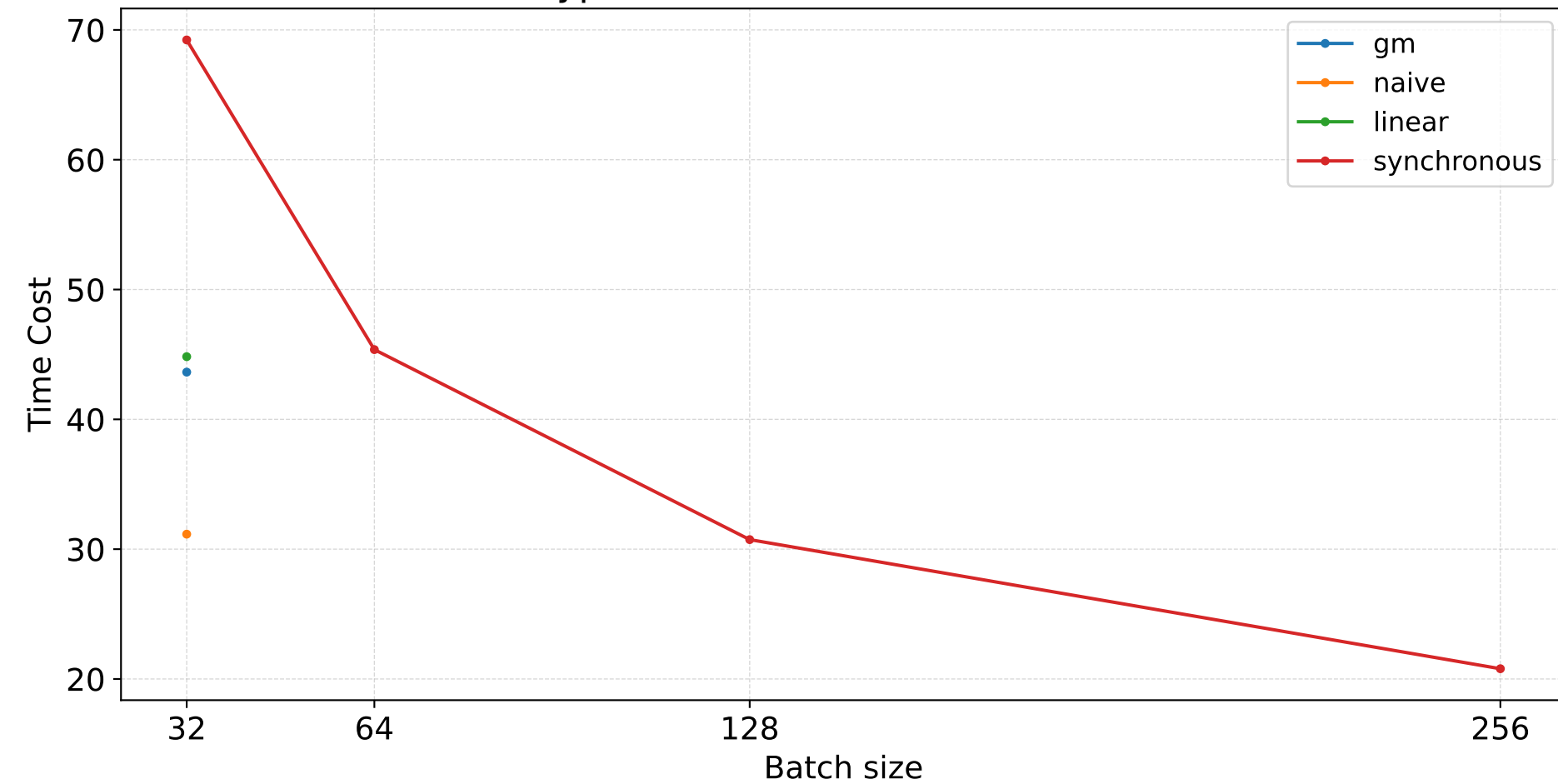


Num Clients : 10 ,  $\Theta$  : 12.0

Common Channel Communication Model

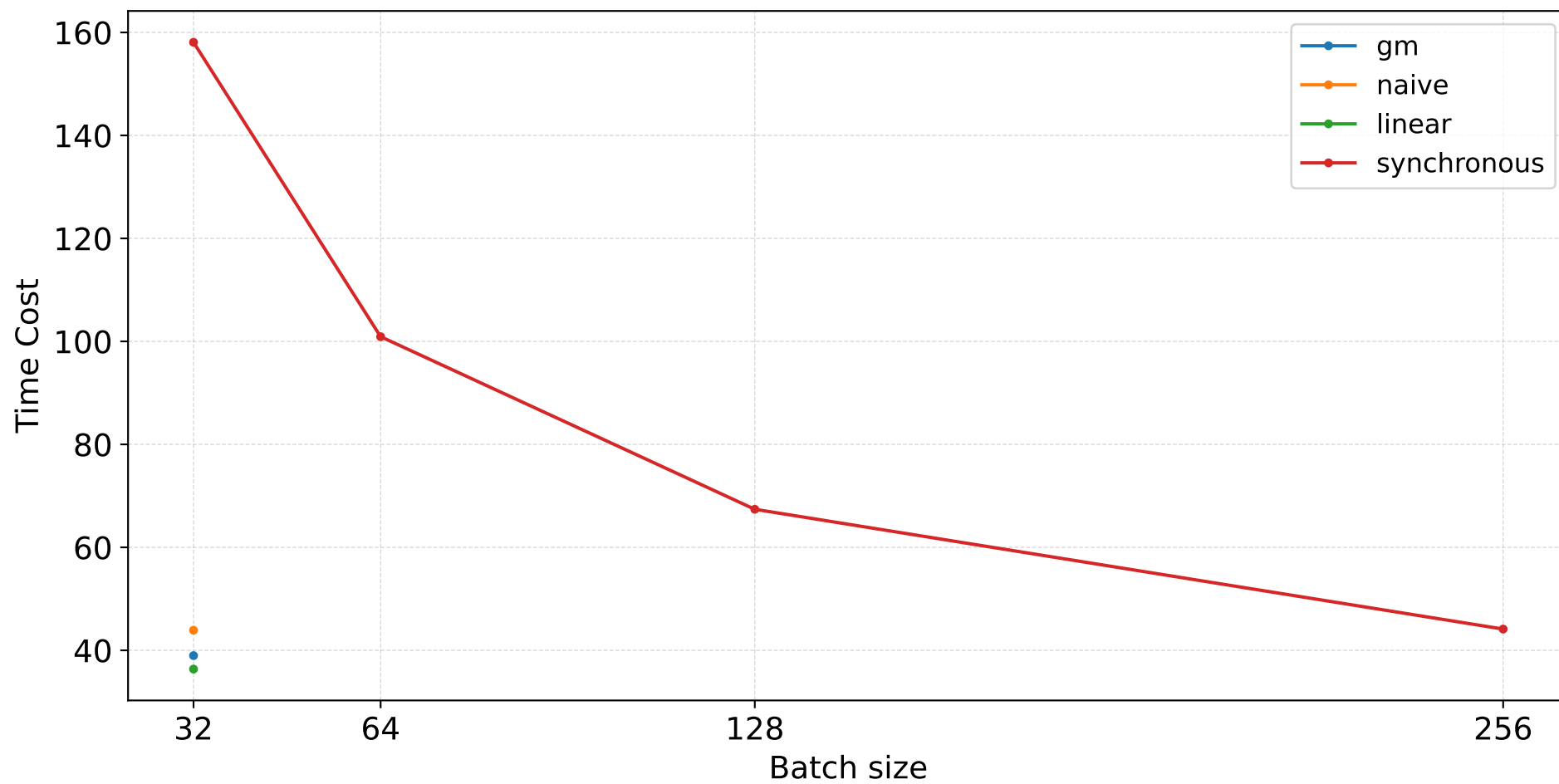


Hypercube Communication Model

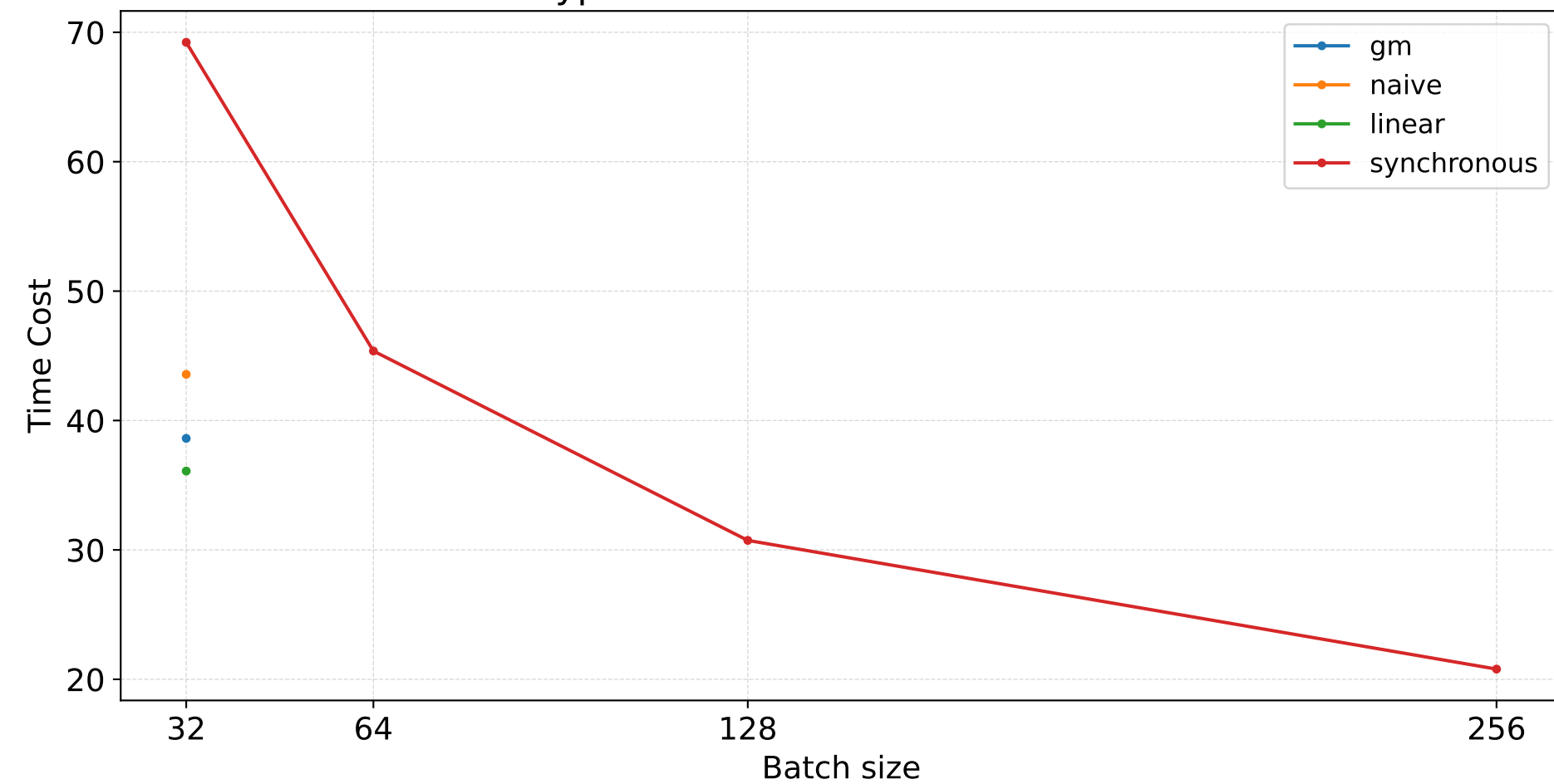


Num Clients : 10 ,  $\Theta$  : 15.0

Common Channel Communication Model

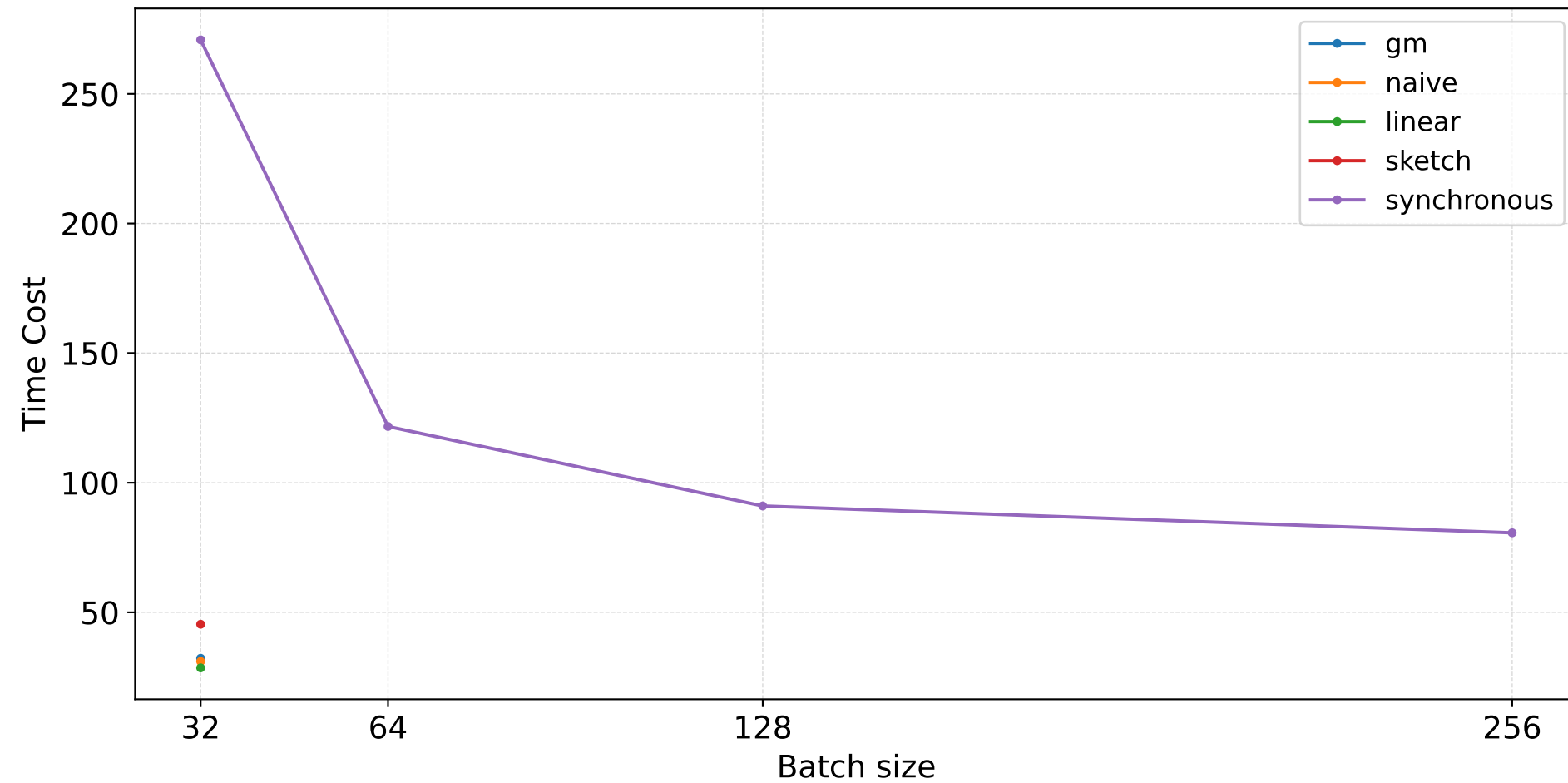


Hypercube Communication Model

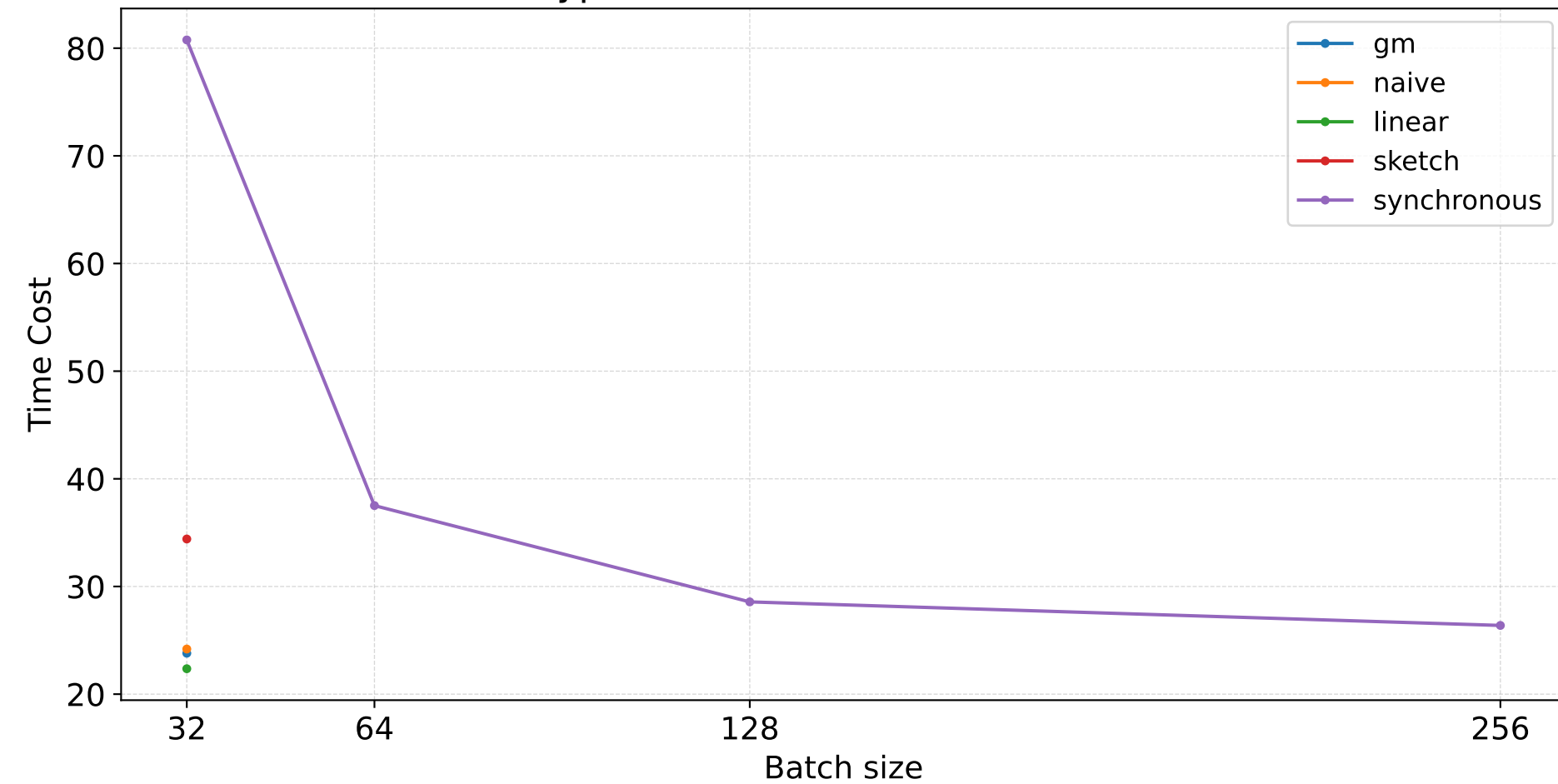


Num Clients : 15 ,  $\Theta$  : 0.5

Common Channel Communication Model

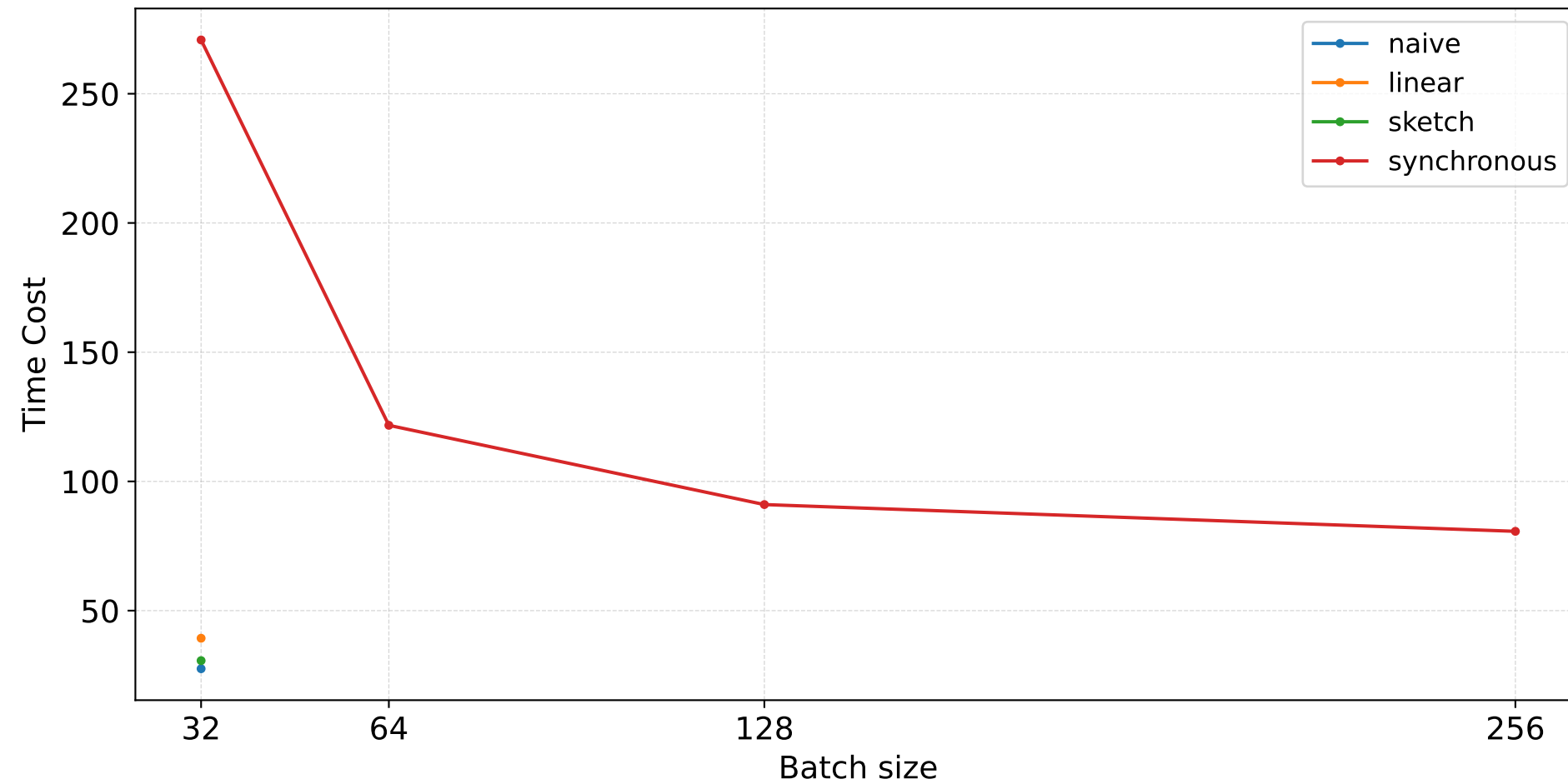


Hypercube Communication Model

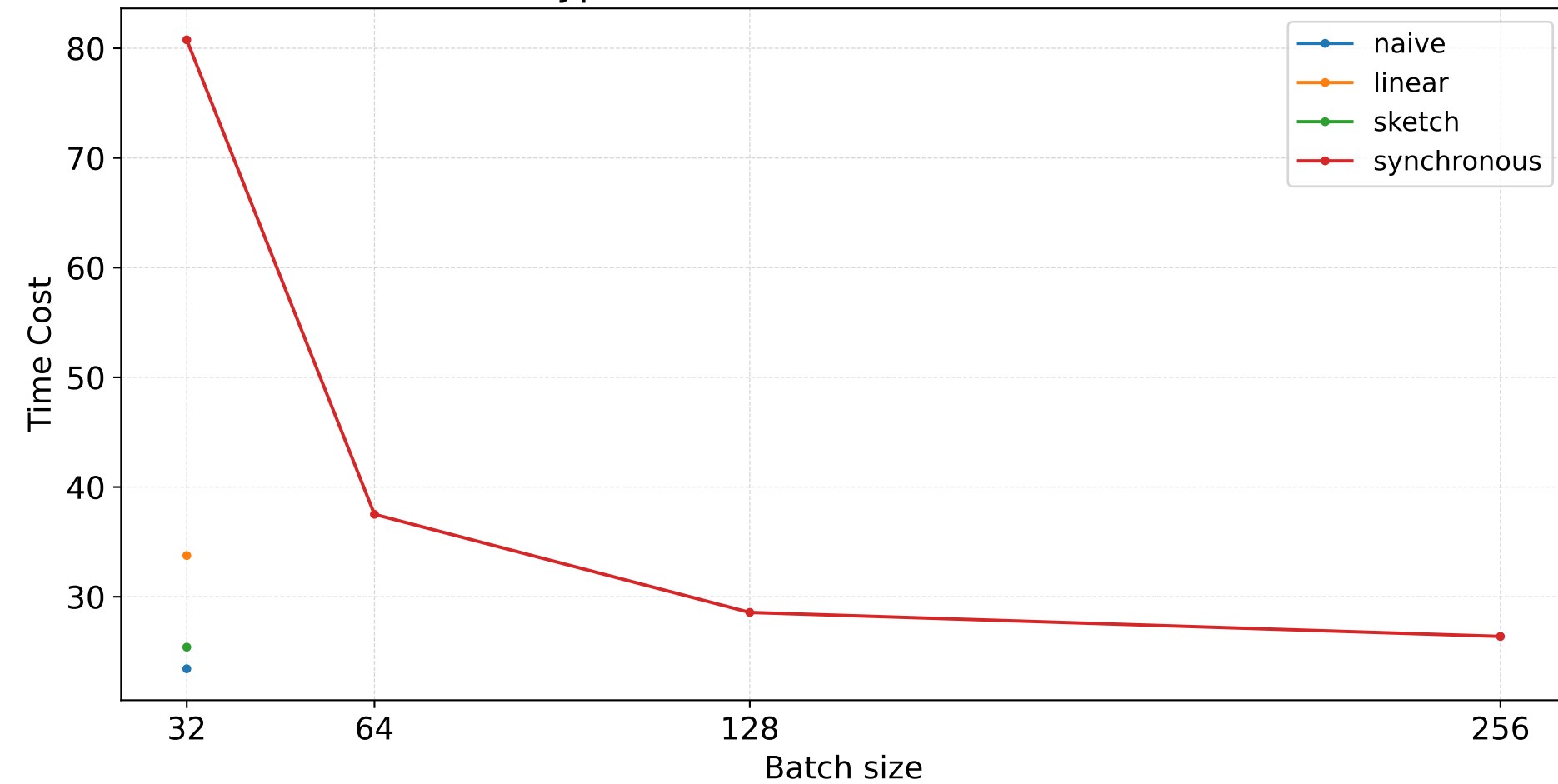


Num Clients : 15 ,  $\Theta$  : 1.0

Common Channel Communication Model

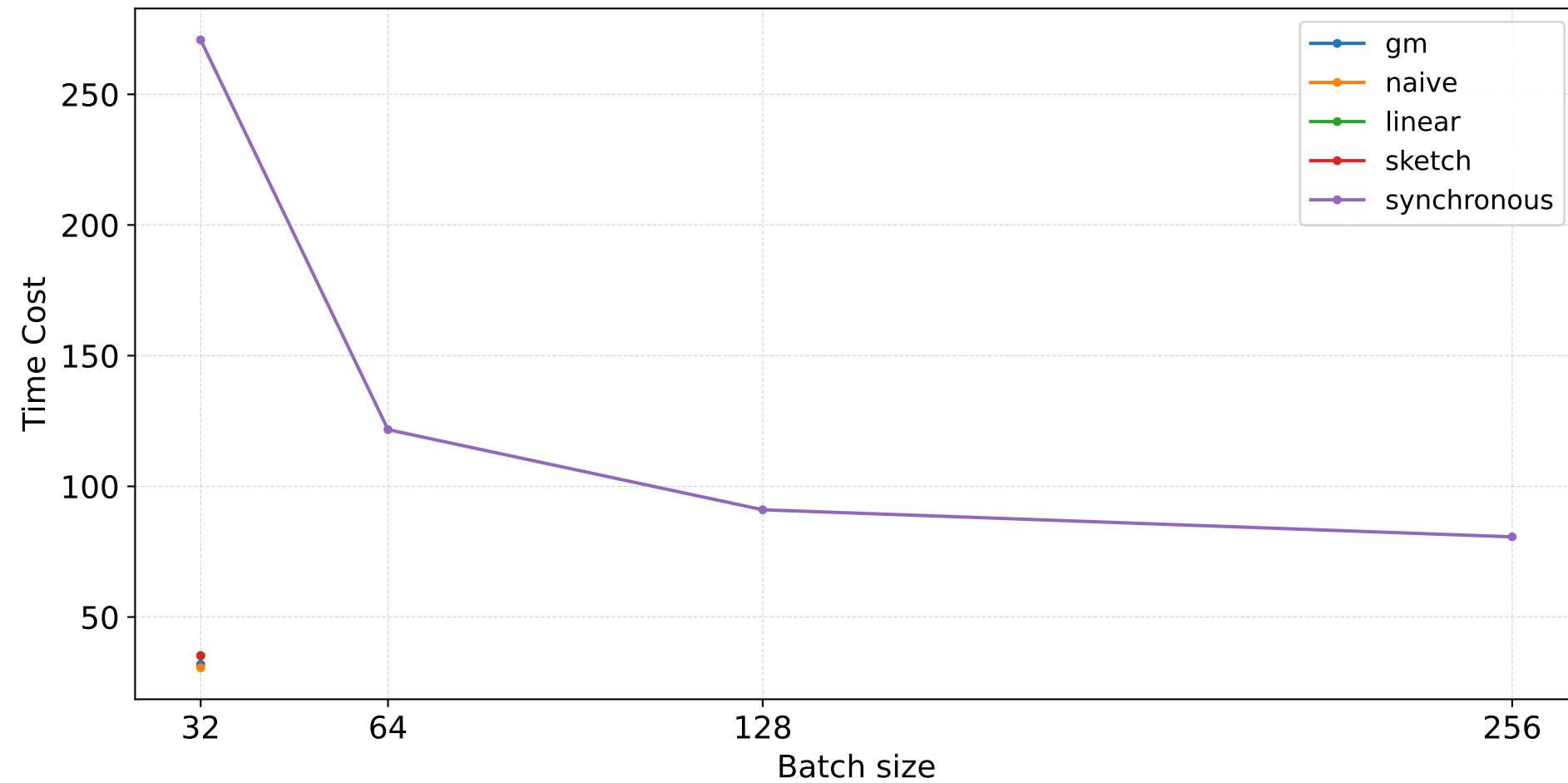


Hypercube Communication Model

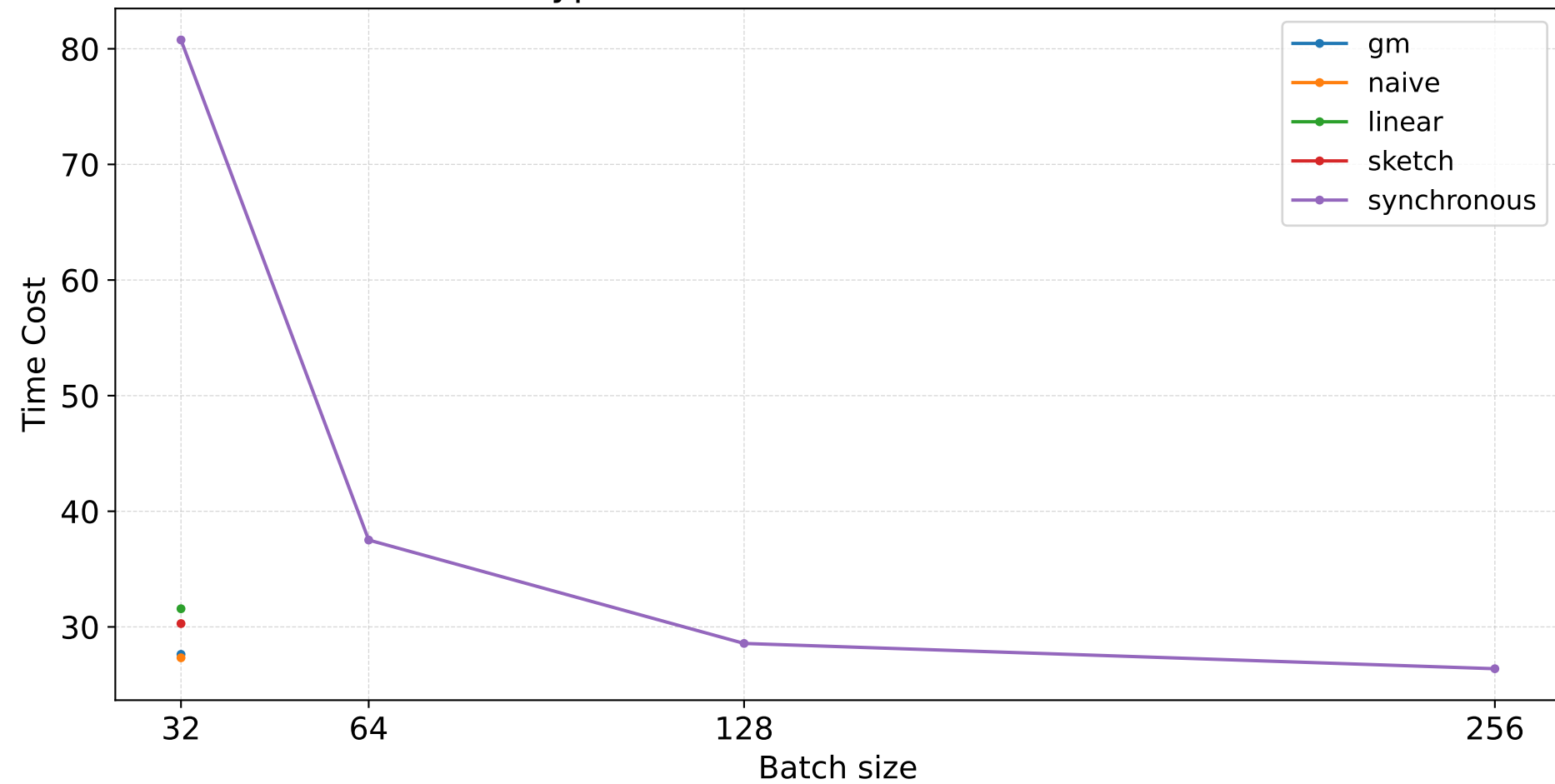


Num Clients : 15 ,  $\Theta$  : 1.5

Common Channel Communication Model

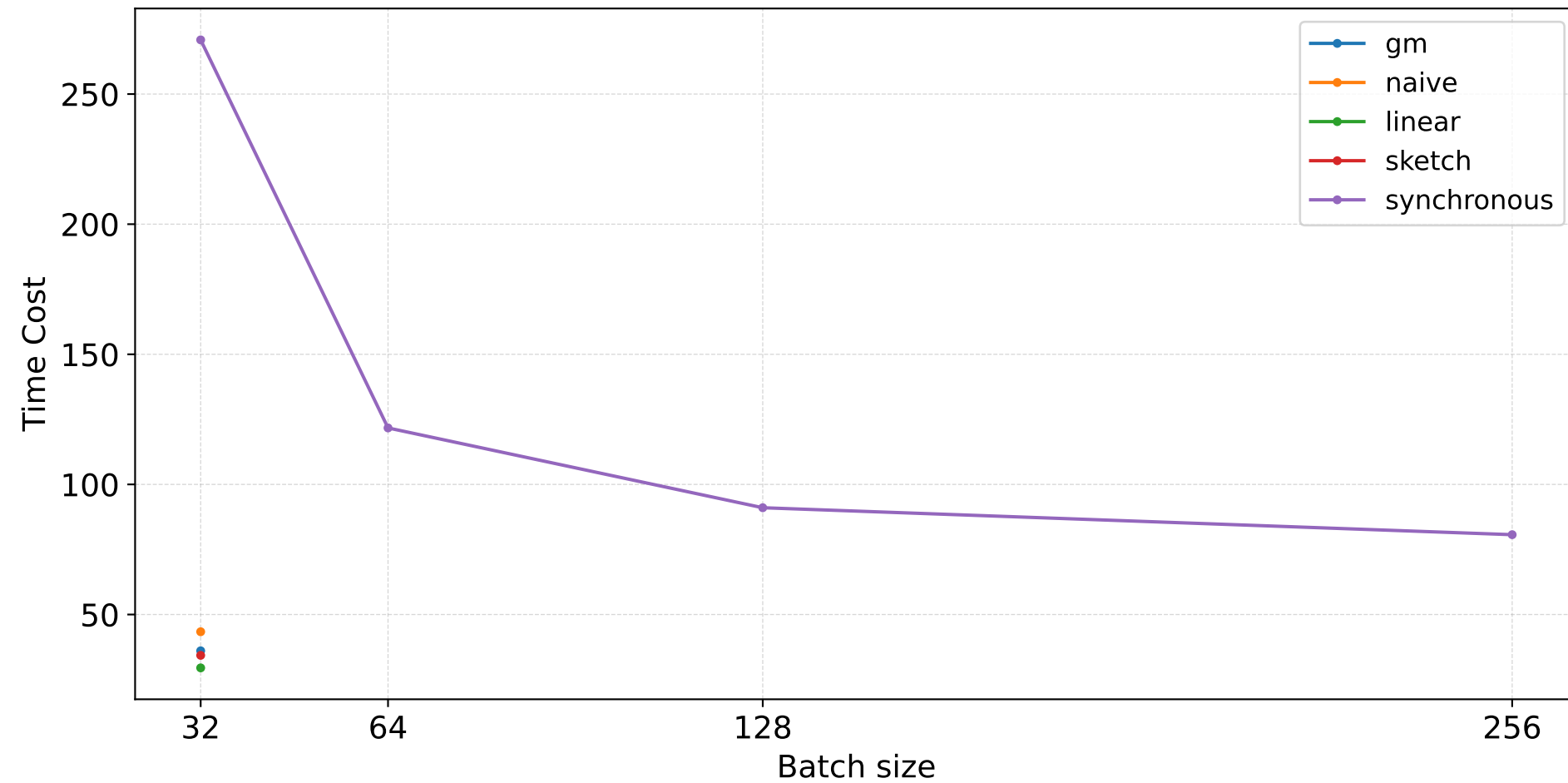


Hypercube Communication Model

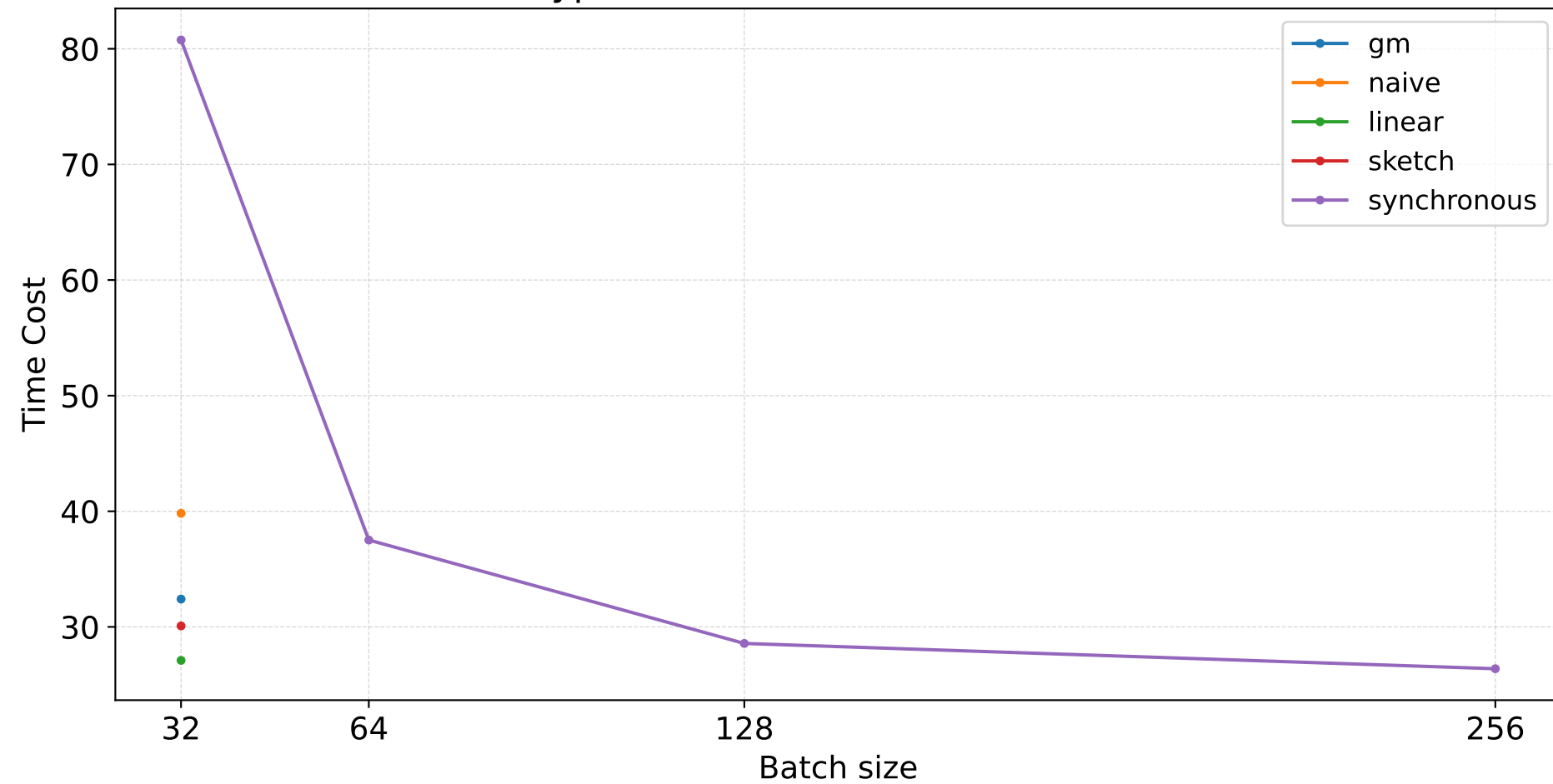


Num Clients : 15 ,  $\Theta$  : 2.0

Common Channel Communication Model



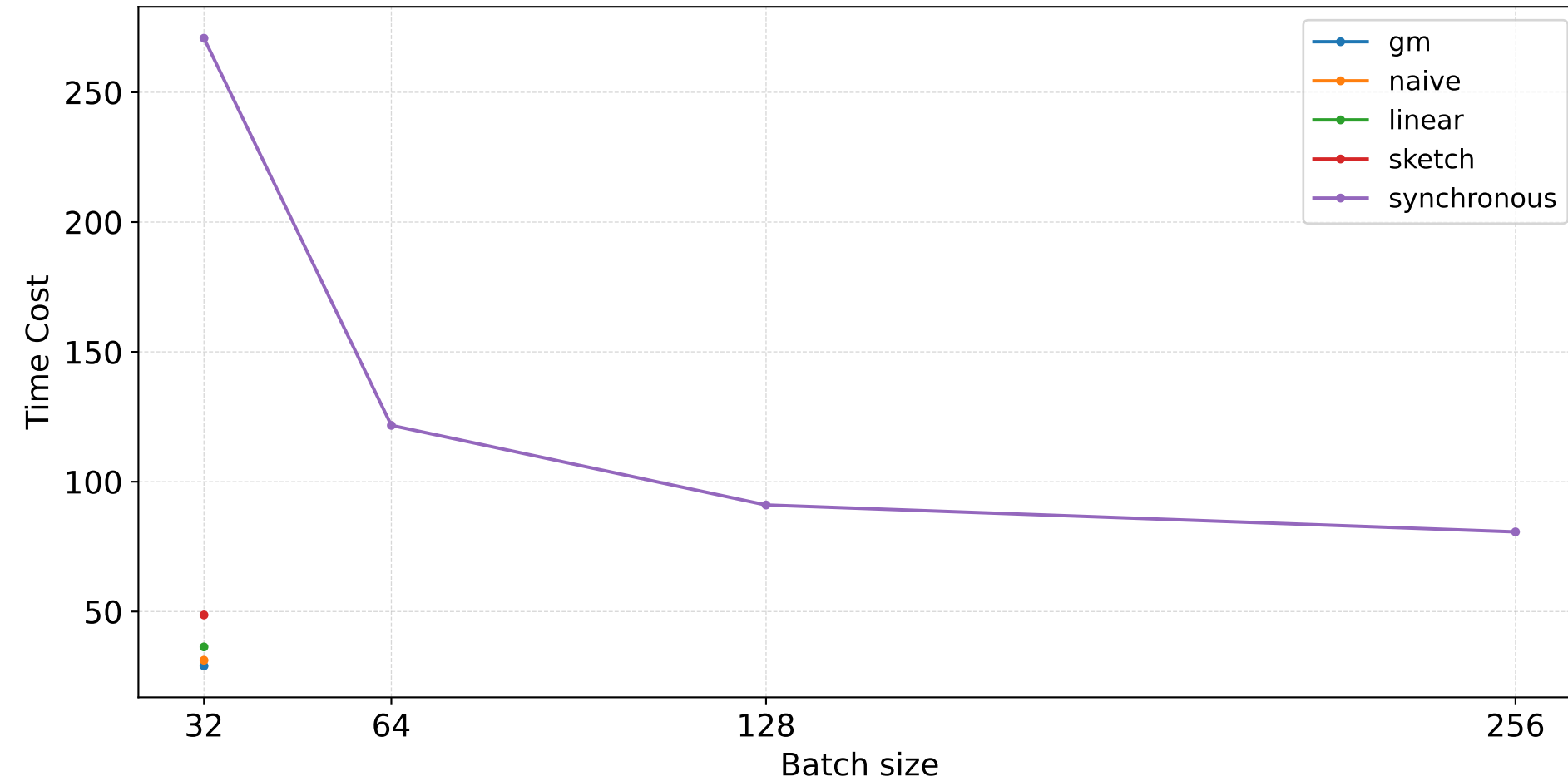
Hypercube Communication Model



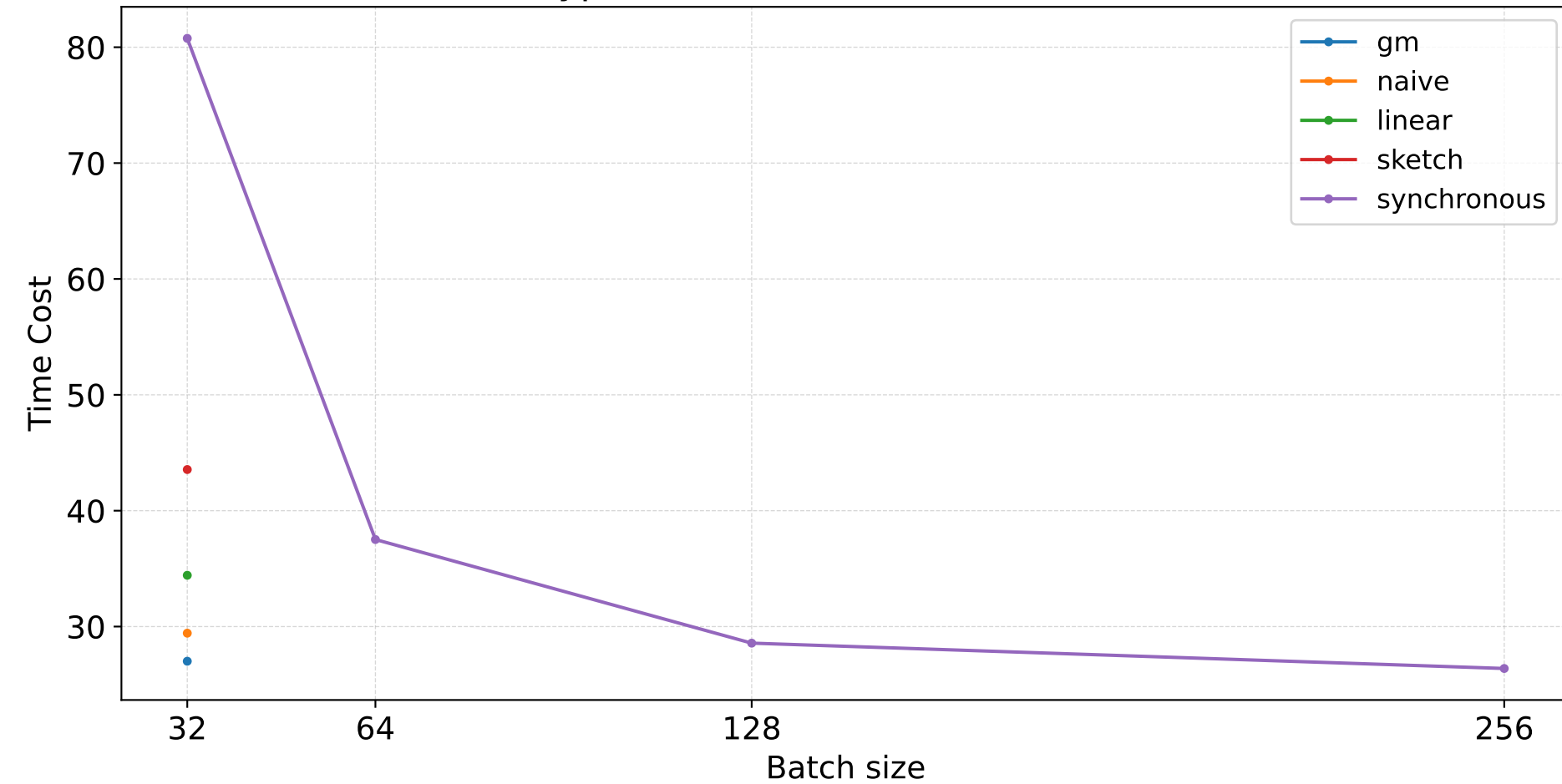


Num Clients : 15 ,  $\Theta$  : 3.0

Common Channel Communication Model

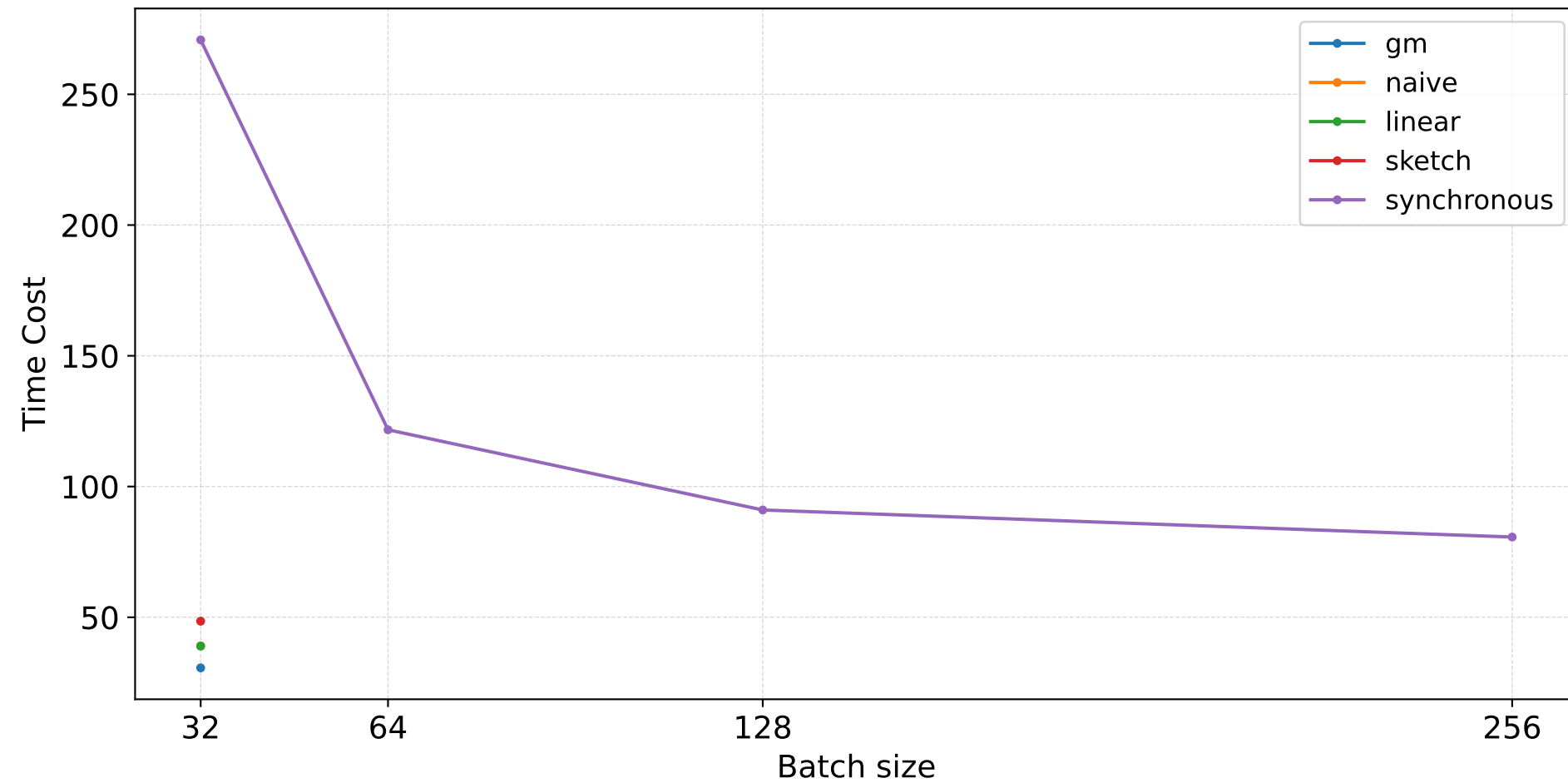


Hypercube Communication Model

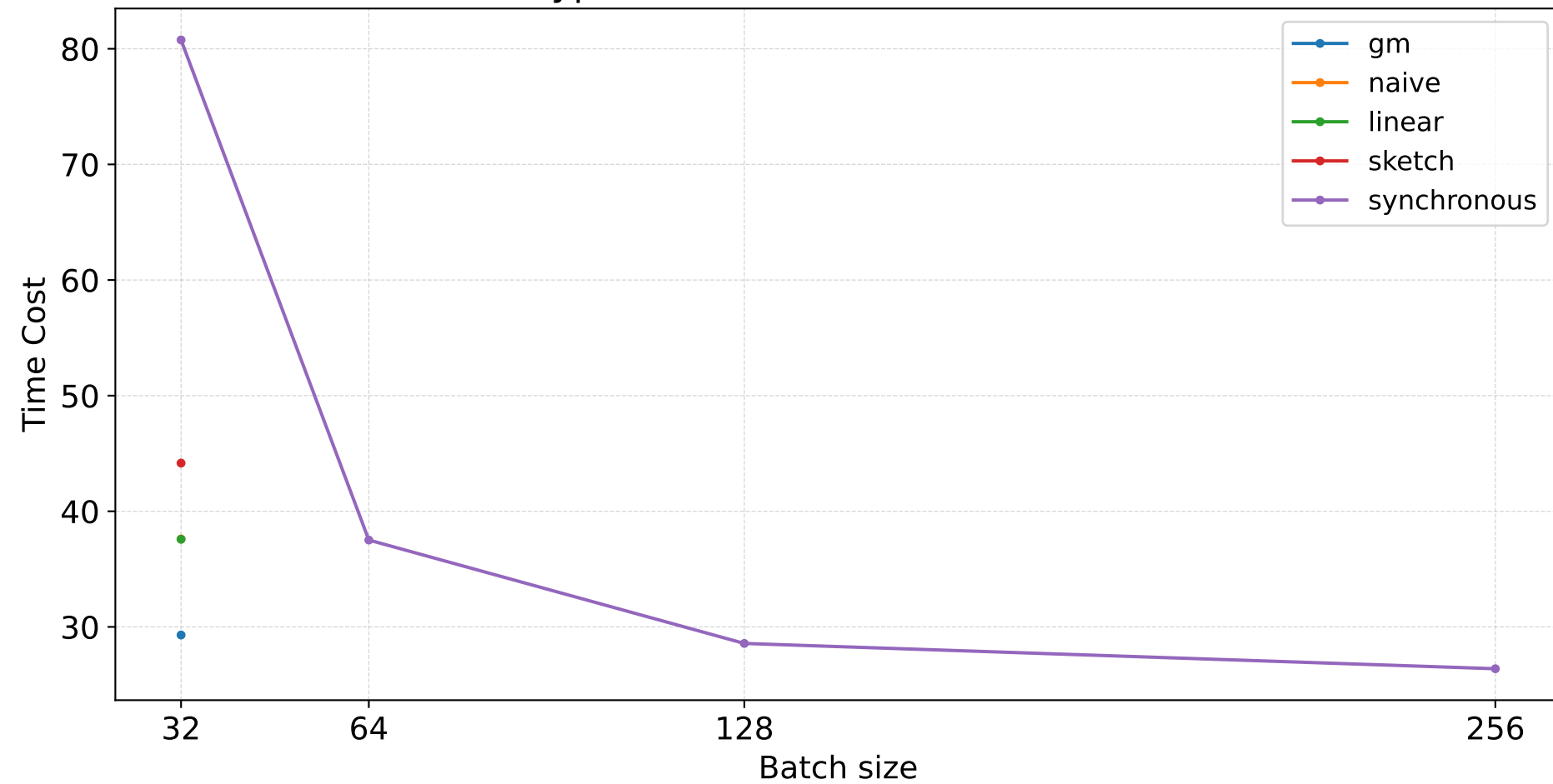


Num Clients : 15 ,  $\Theta$  : 5.0

Common Channel Communication Model

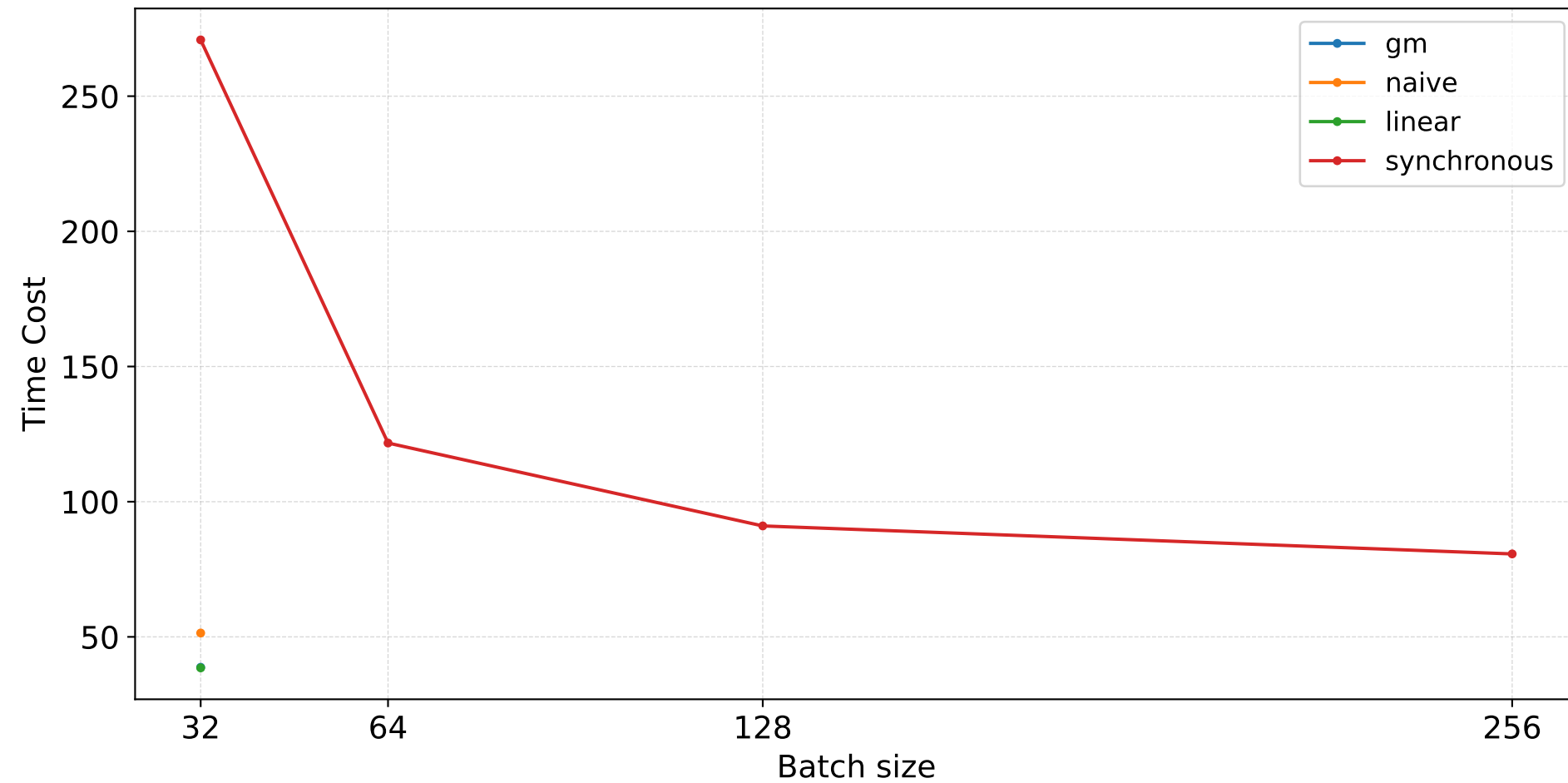


Hypercube Communication Model

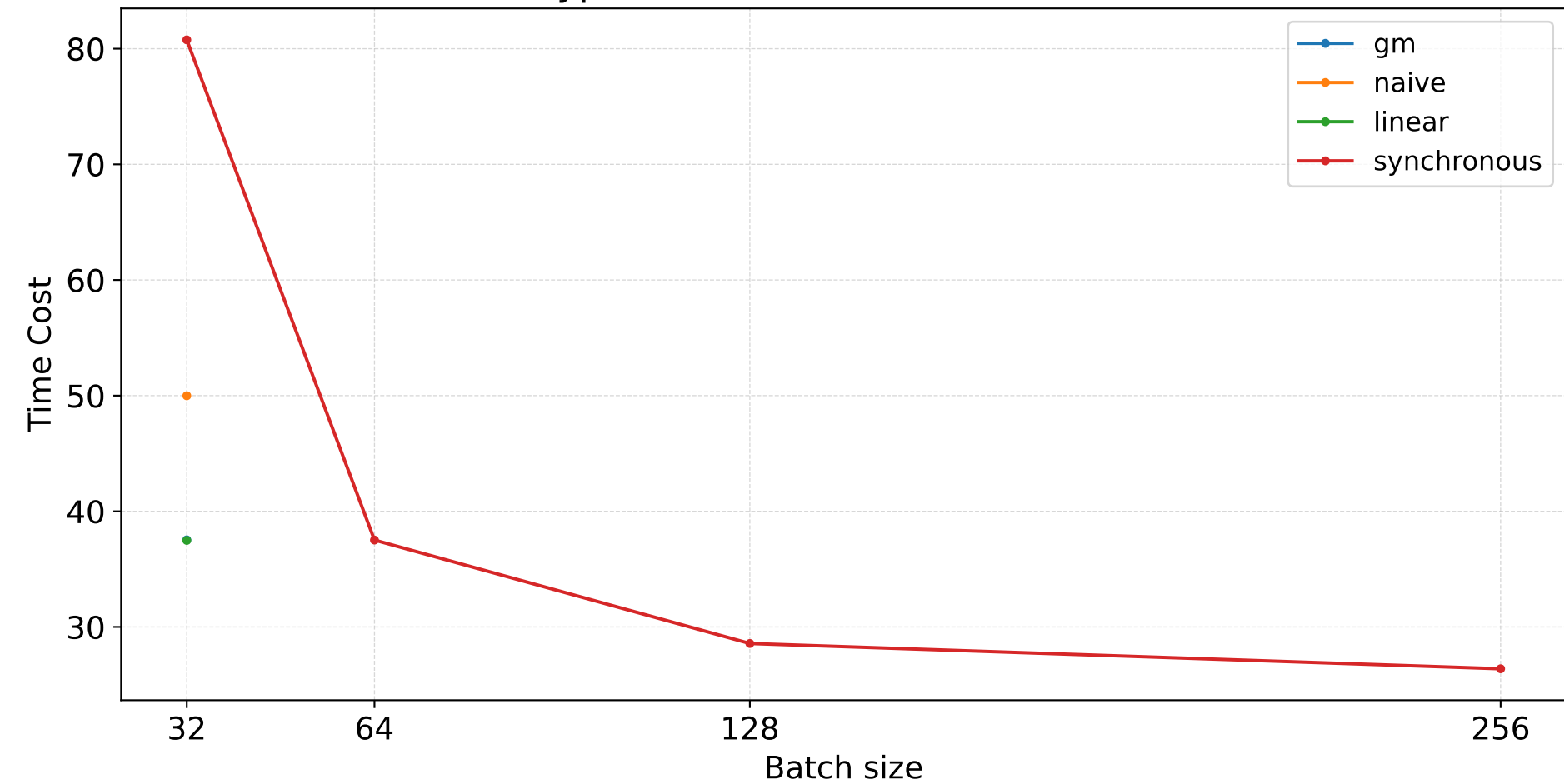


Num Clients : 15 ,  $\Theta$  : 7.0

Common Channel Communication Model

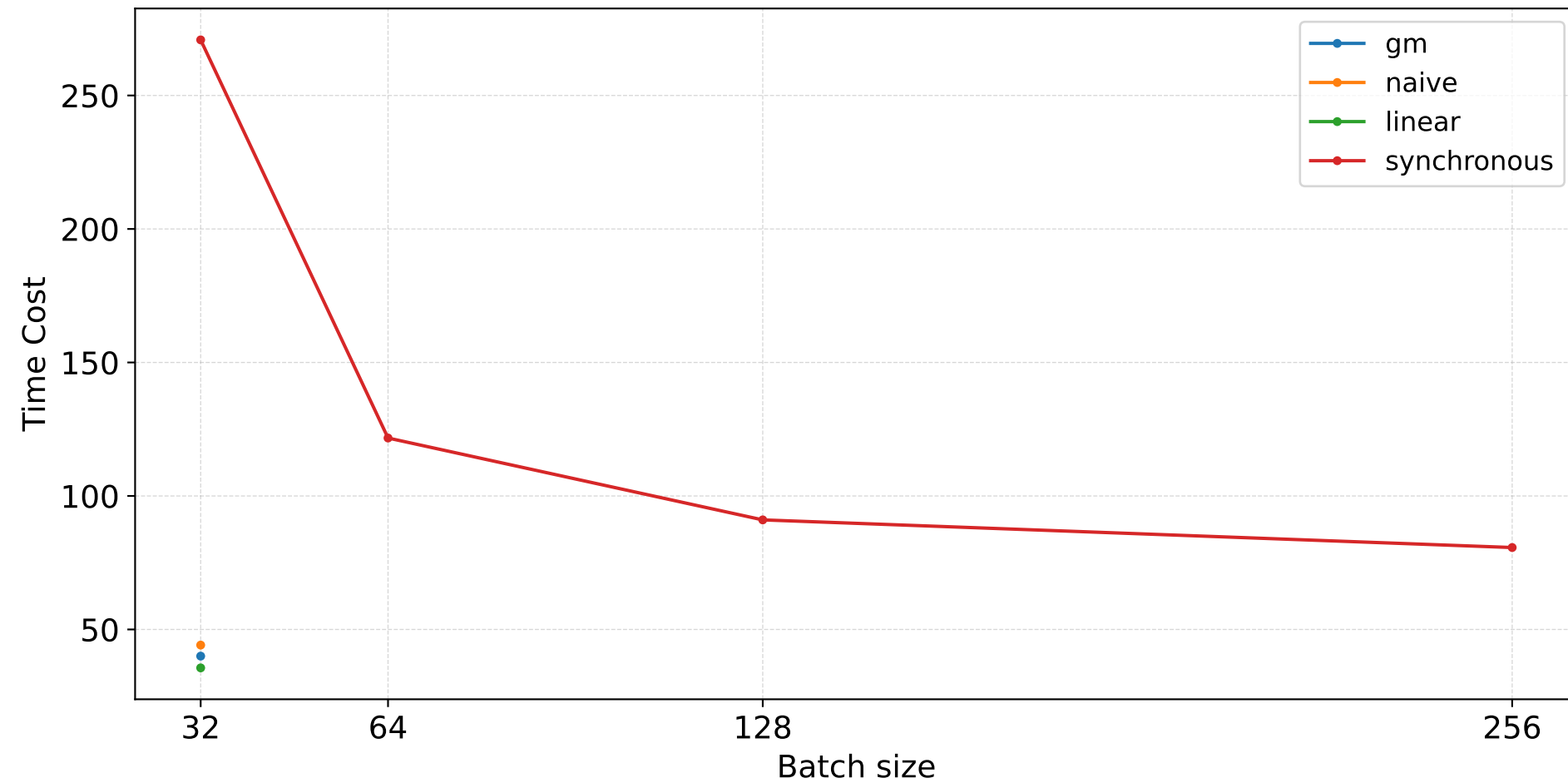


Hypercube Communication Model

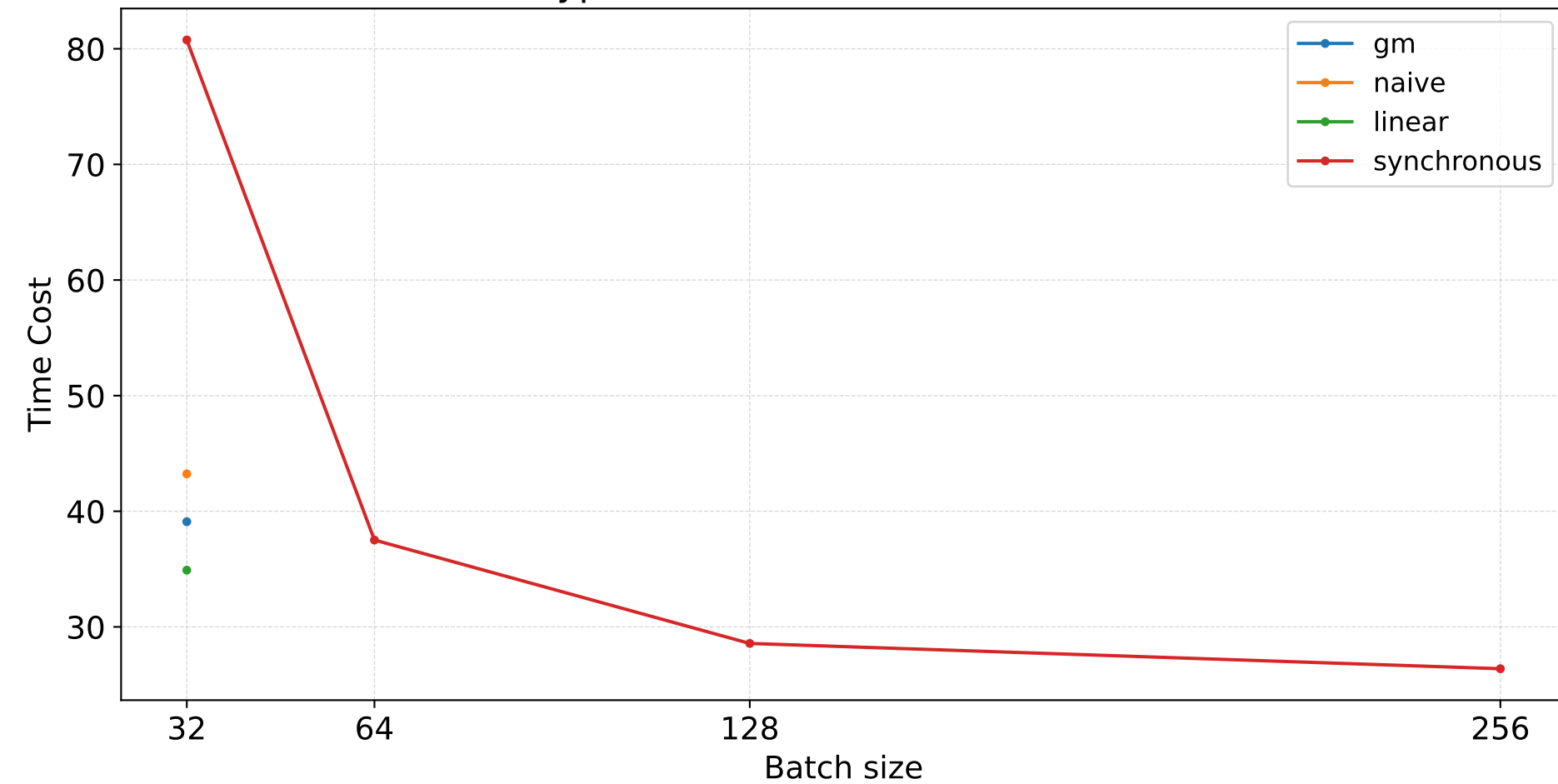


Num Clients : 15 ,  $\Theta$  : 10.0

Common Channel Communication Model

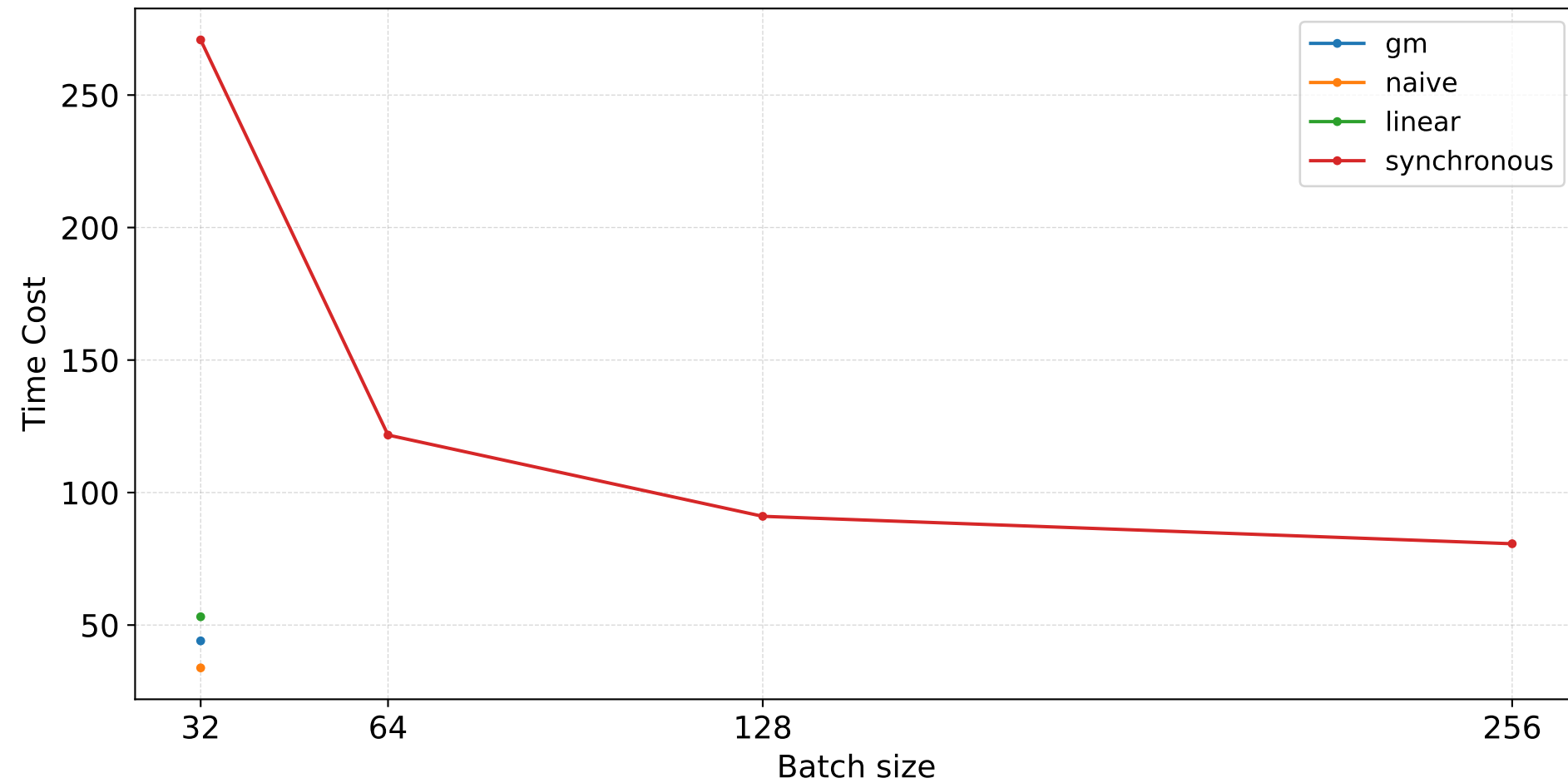


Hypercube Communication Model

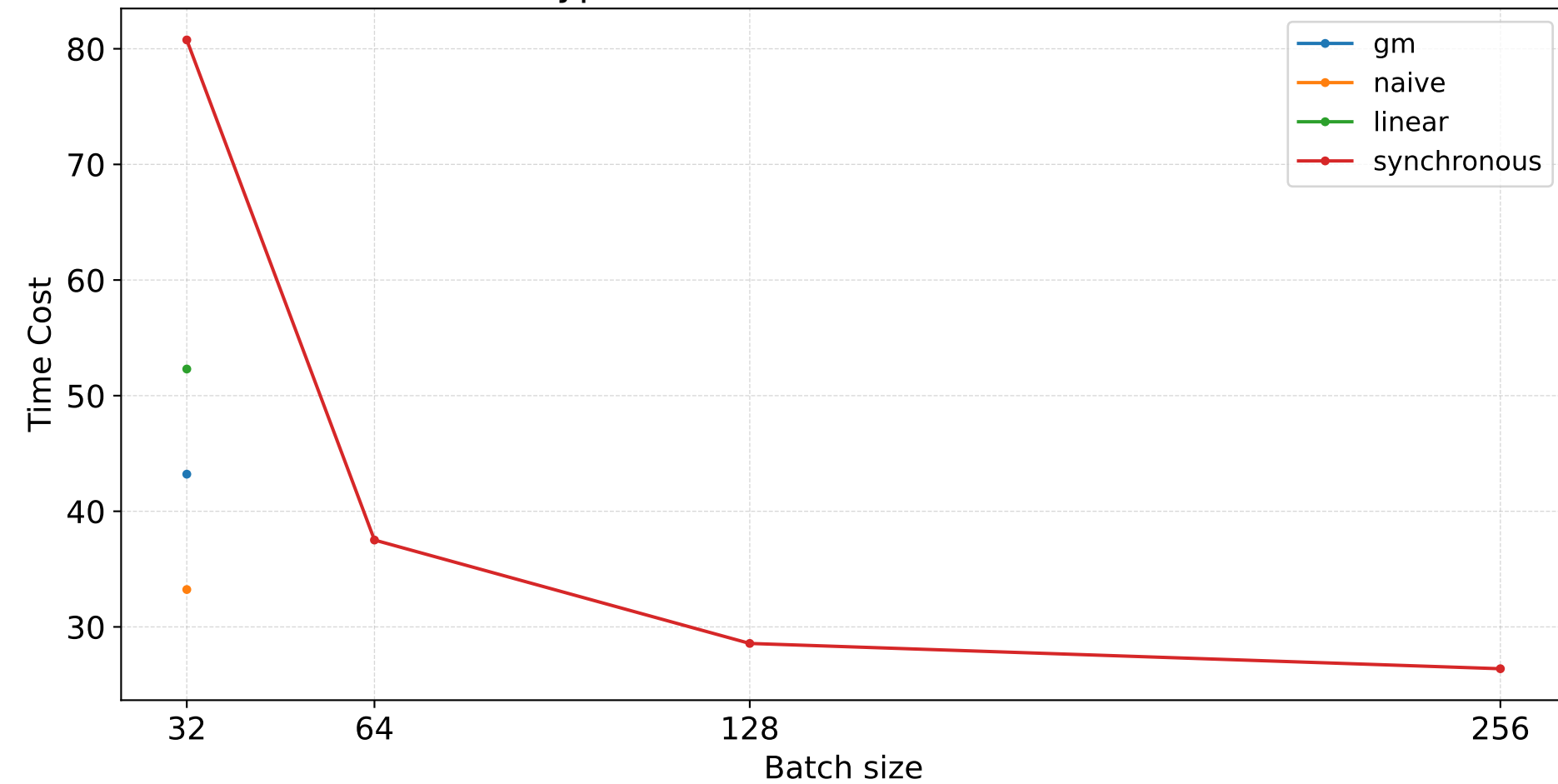


Num Clients : 15 ,  $\Theta$  : 12.0

Common Channel Communication Model

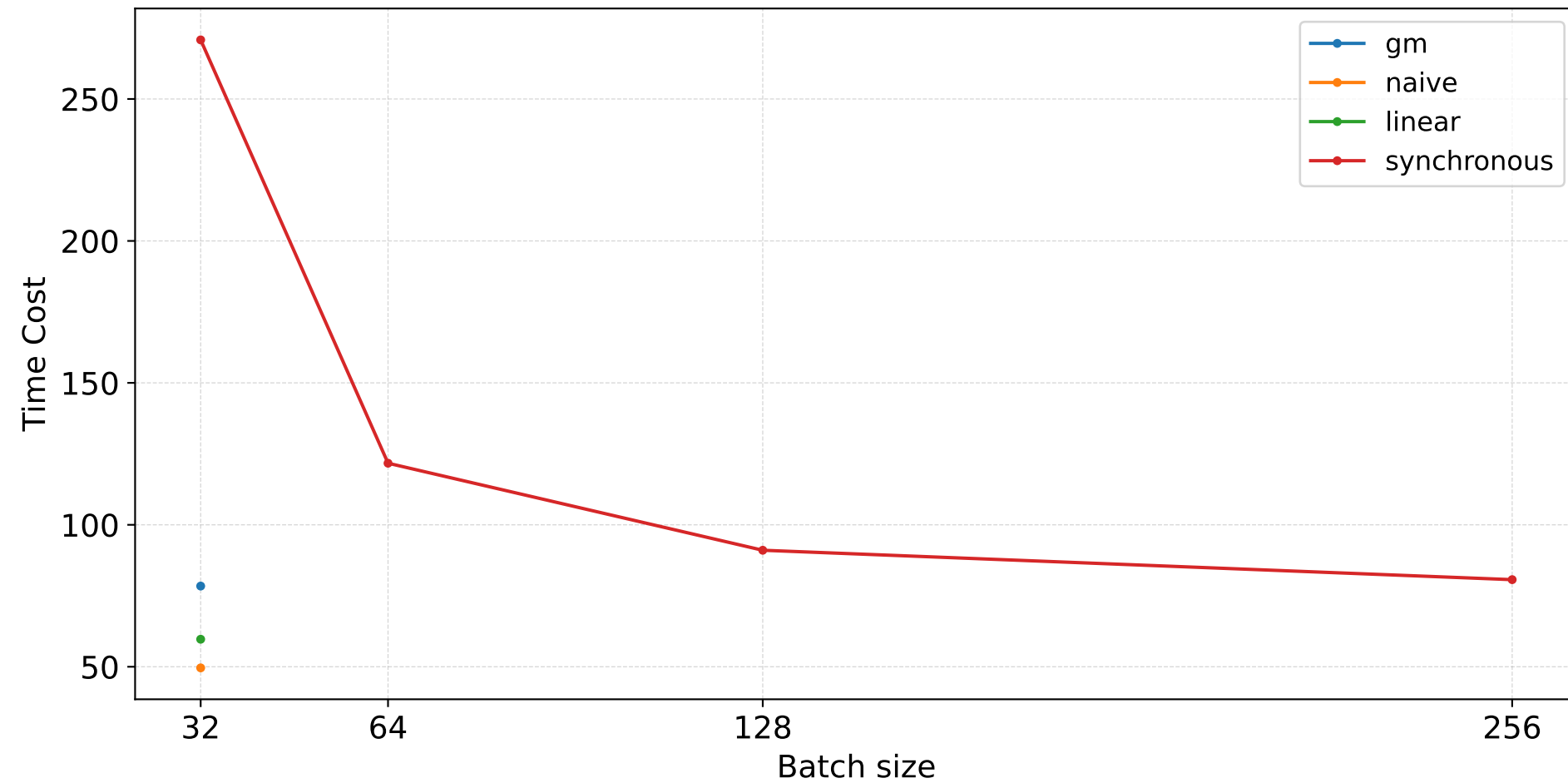


Hypercube Communication Model

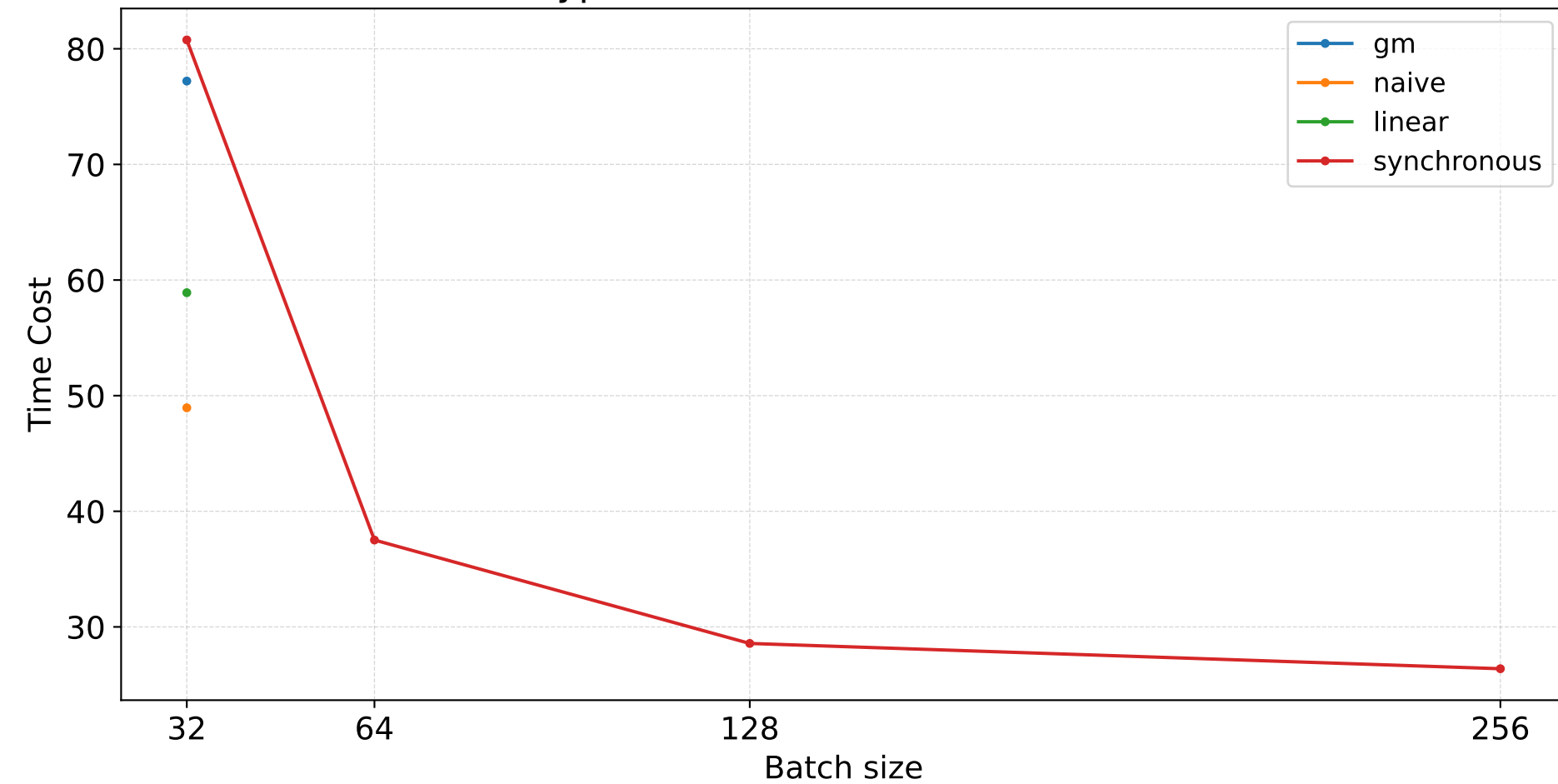


Num Clients : 15 ,  $\Theta$  : 15.0

Common Channel Communication Model

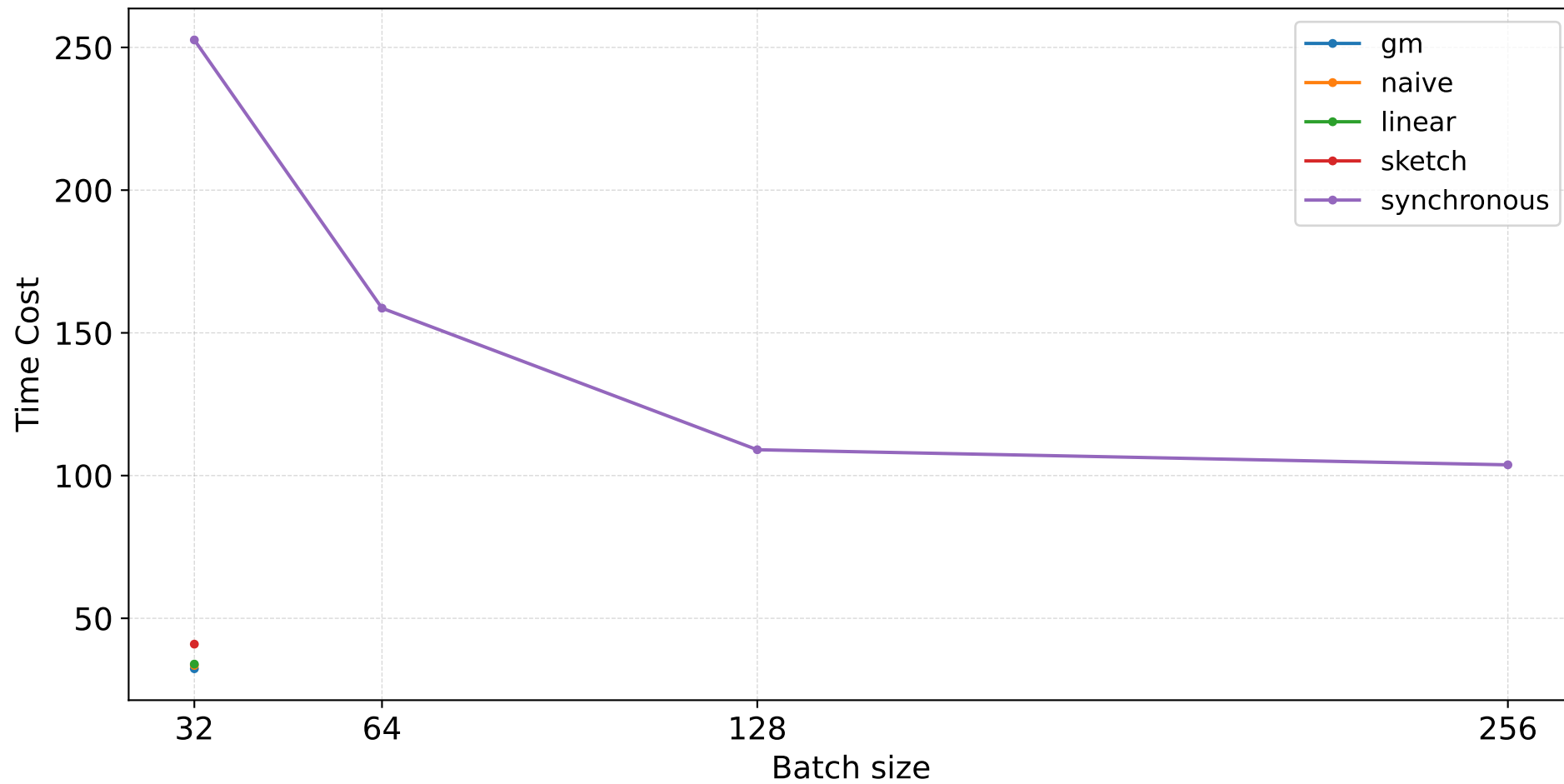


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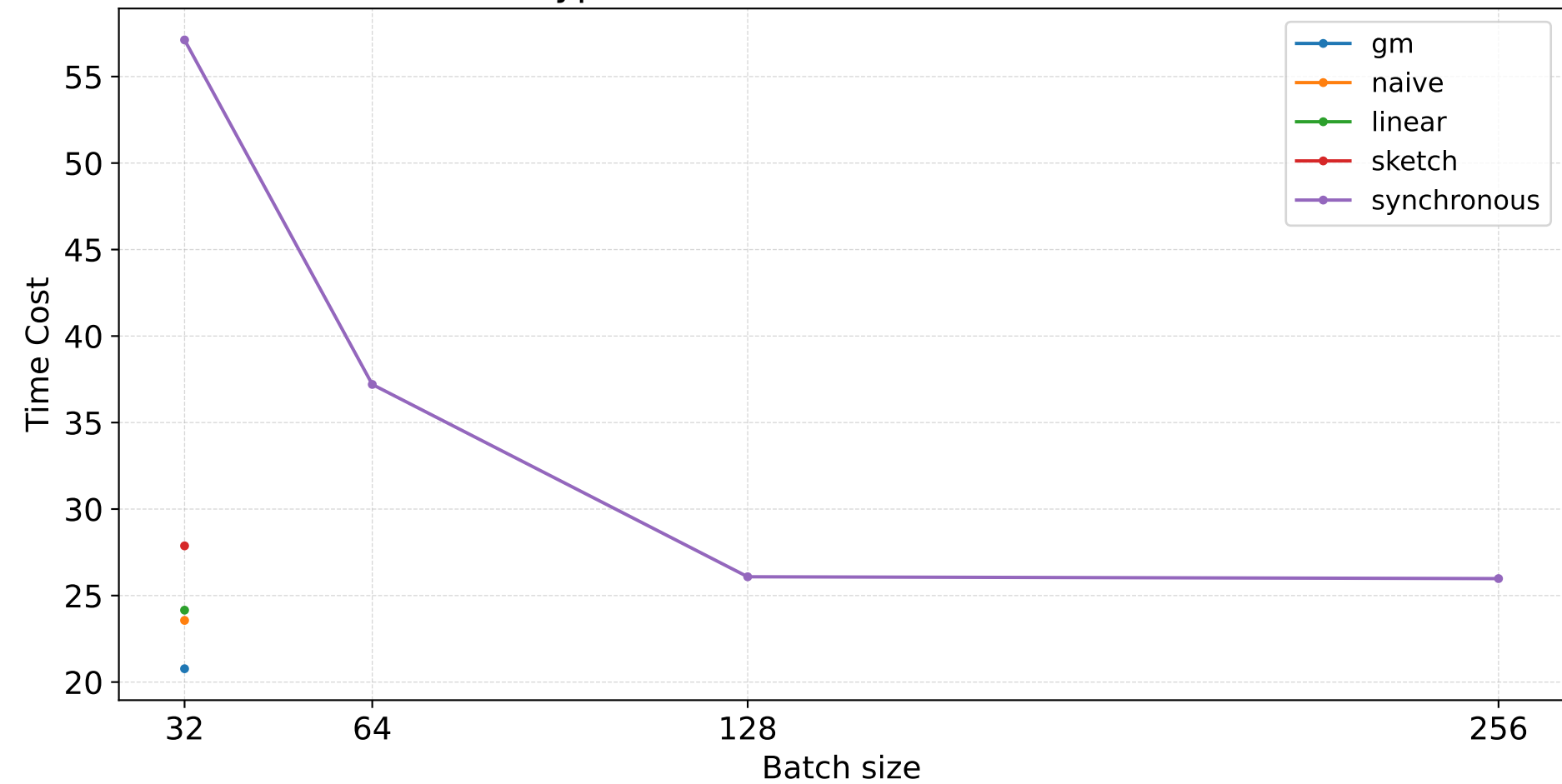


Num Clients : 20 ,  $\Theta$  : 0.5

Common Channel Communication Model

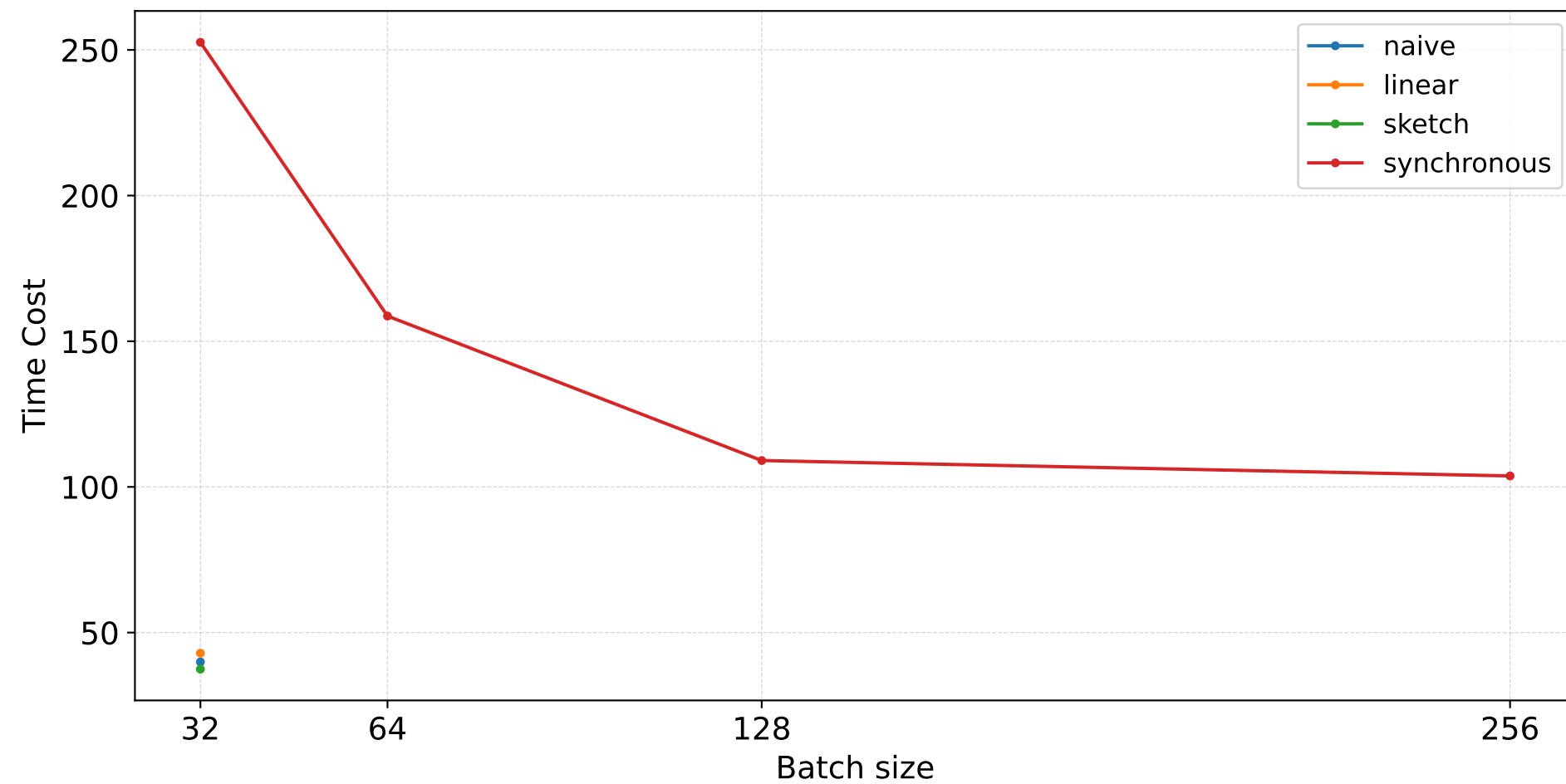


Hypercube Communication Model

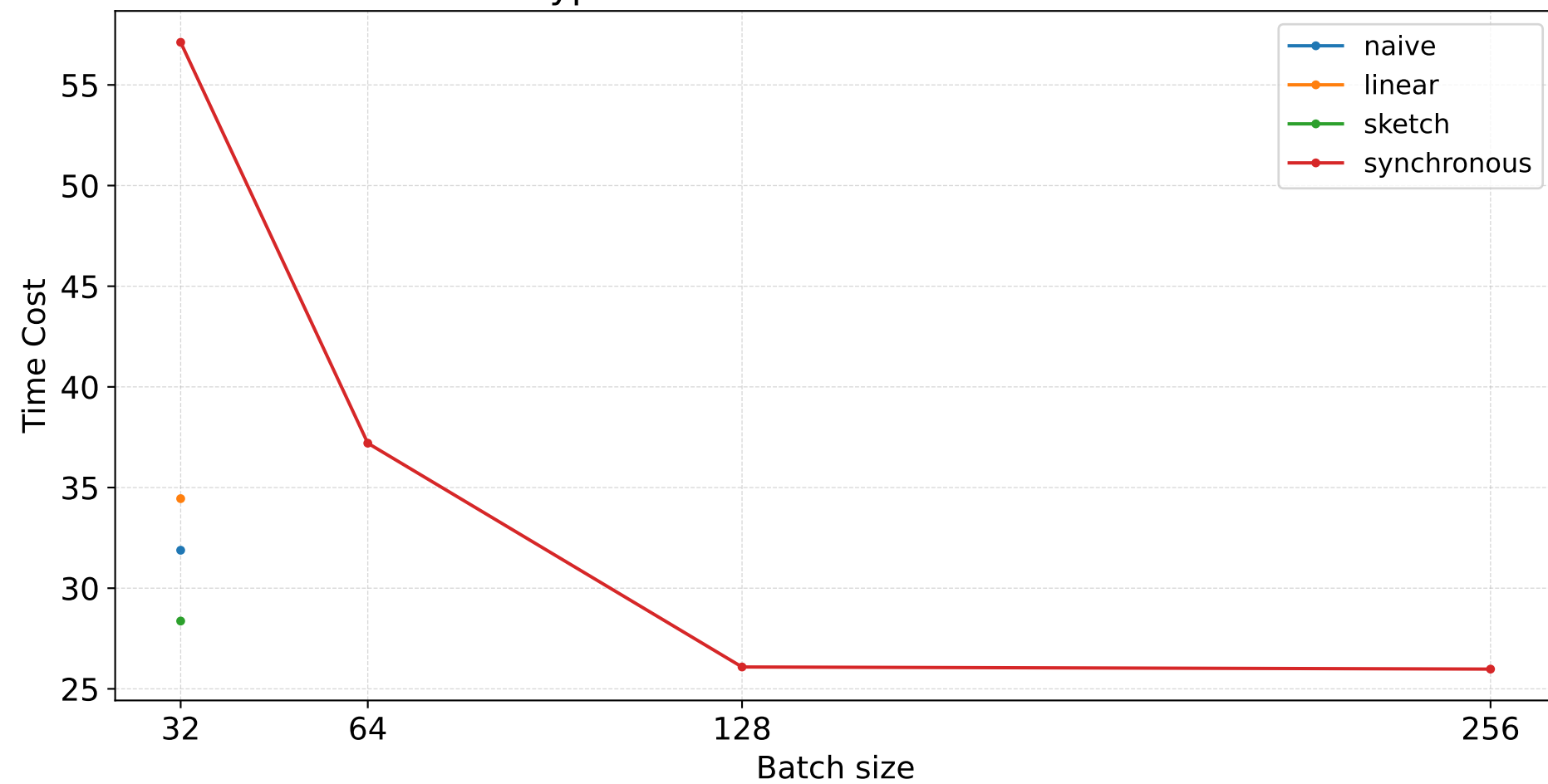


Num Clients : 20 ,  $\Theta$  : 1.0

Common Channel Communication Model



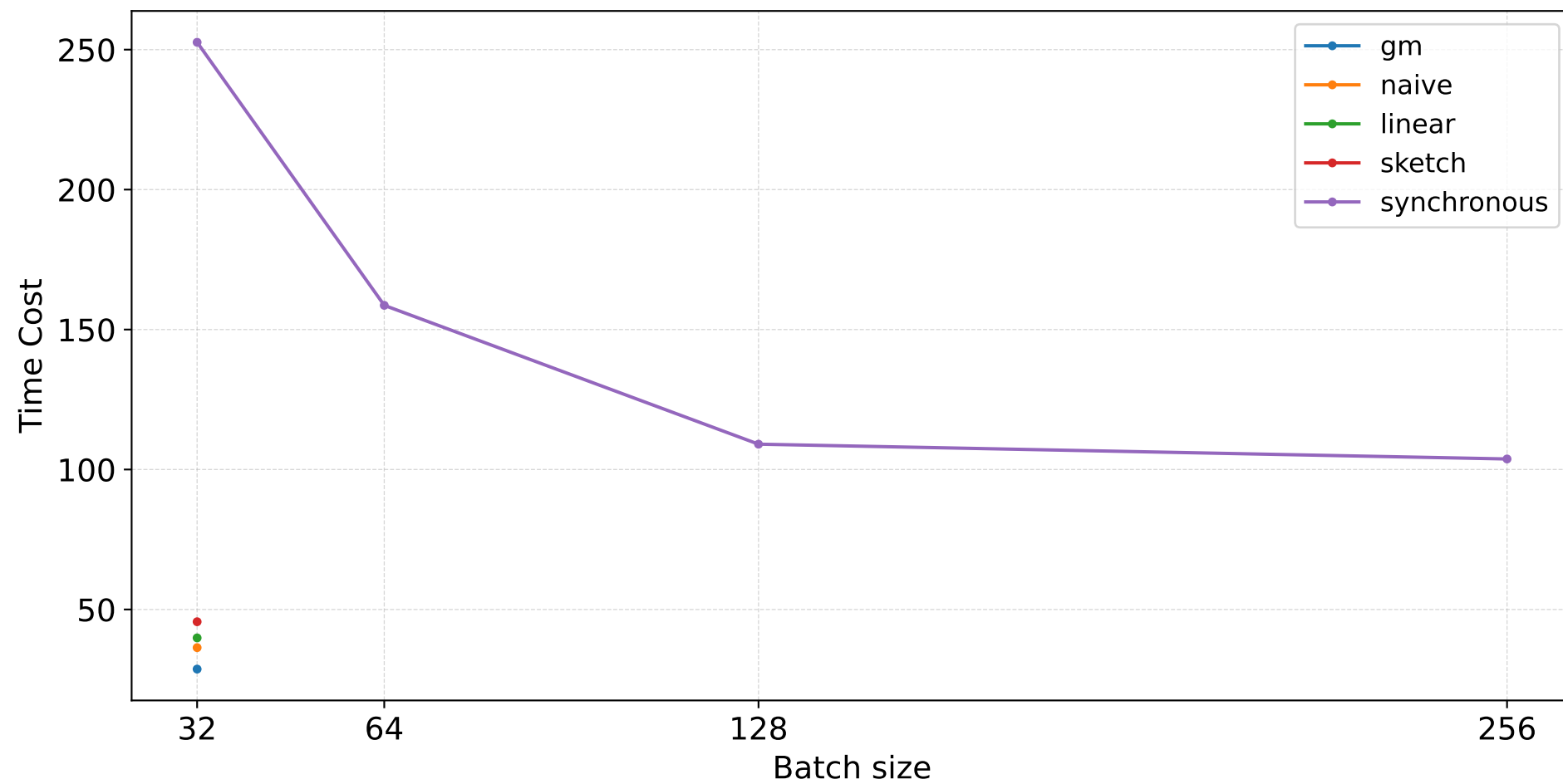
Hypercube Communication Model



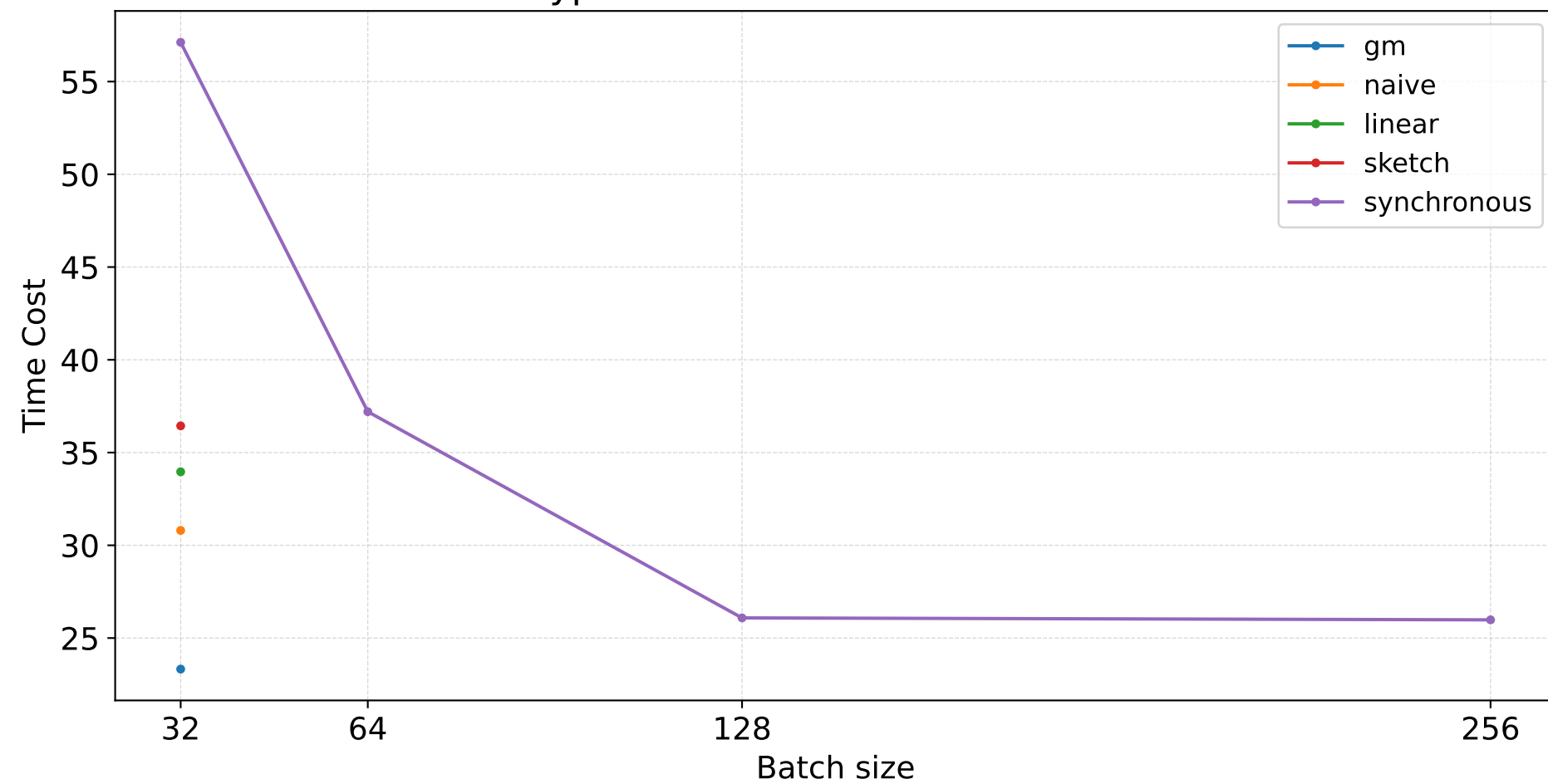


Num Clients : 20 ,  $\Theta$  : 1.5

Common Channel Communication Model

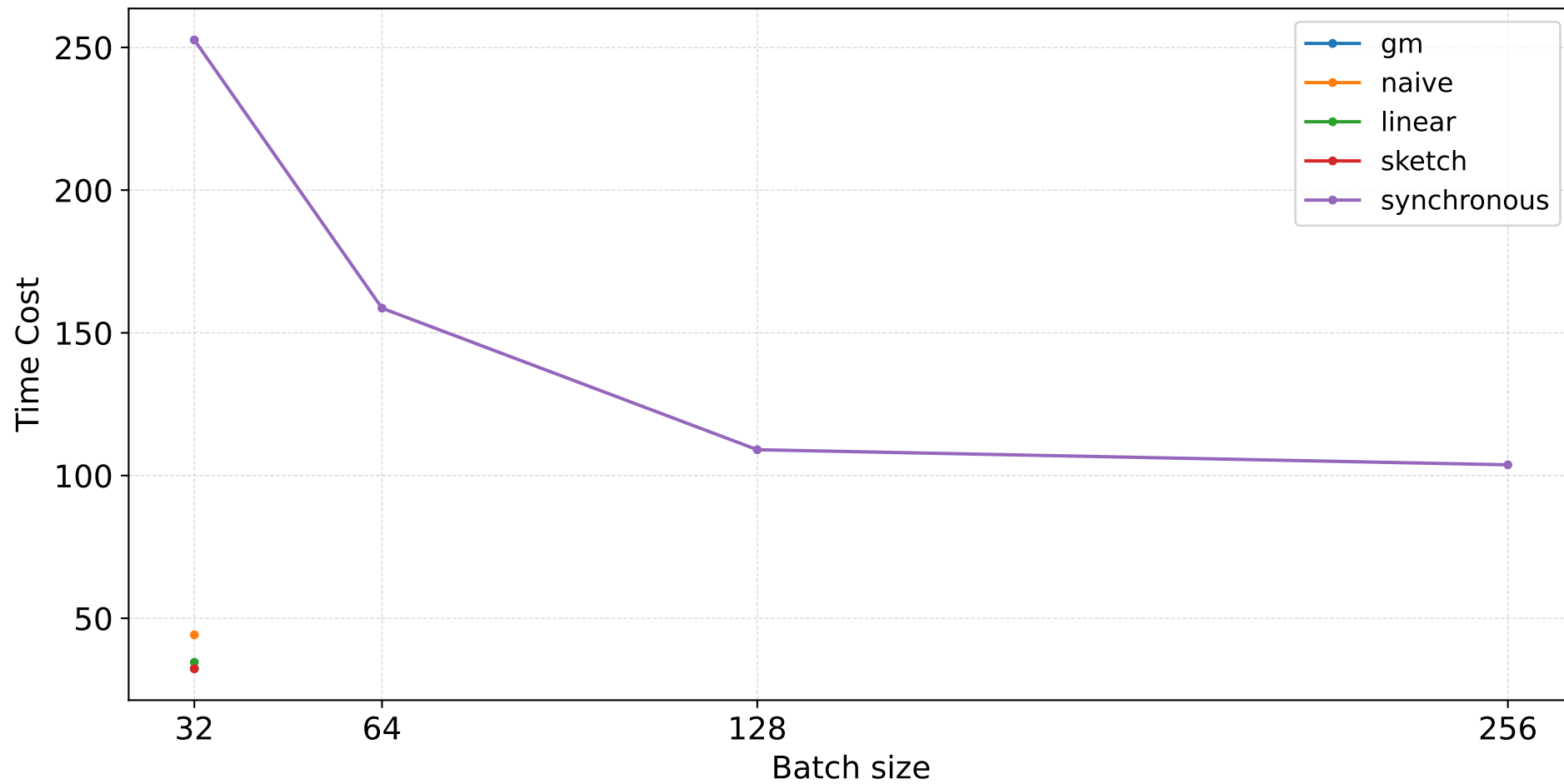


Hypercube Communication Model

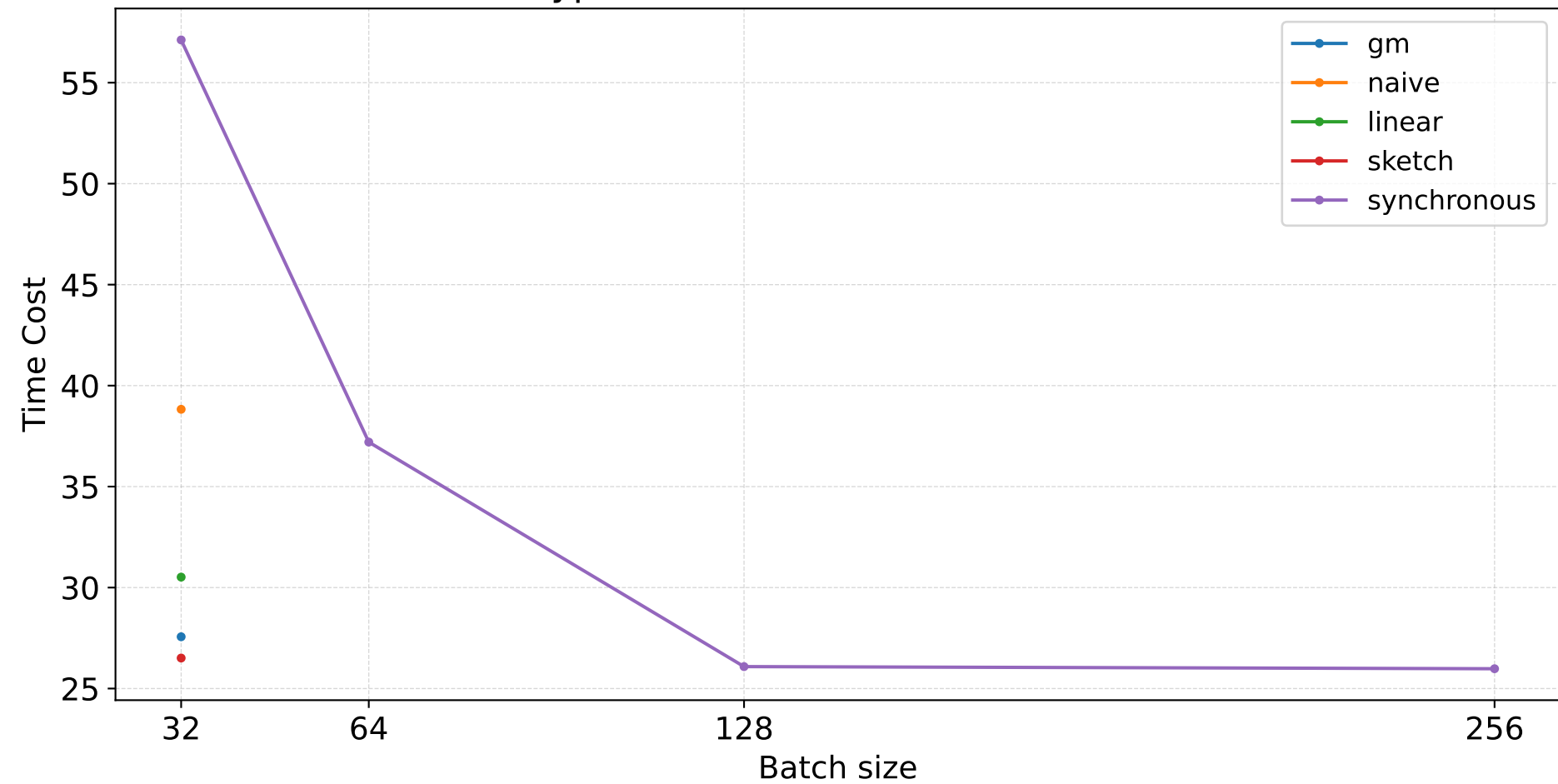


Num Clients : 20 ,  $\Theta$  : 2.0

Common Channel Communication Model

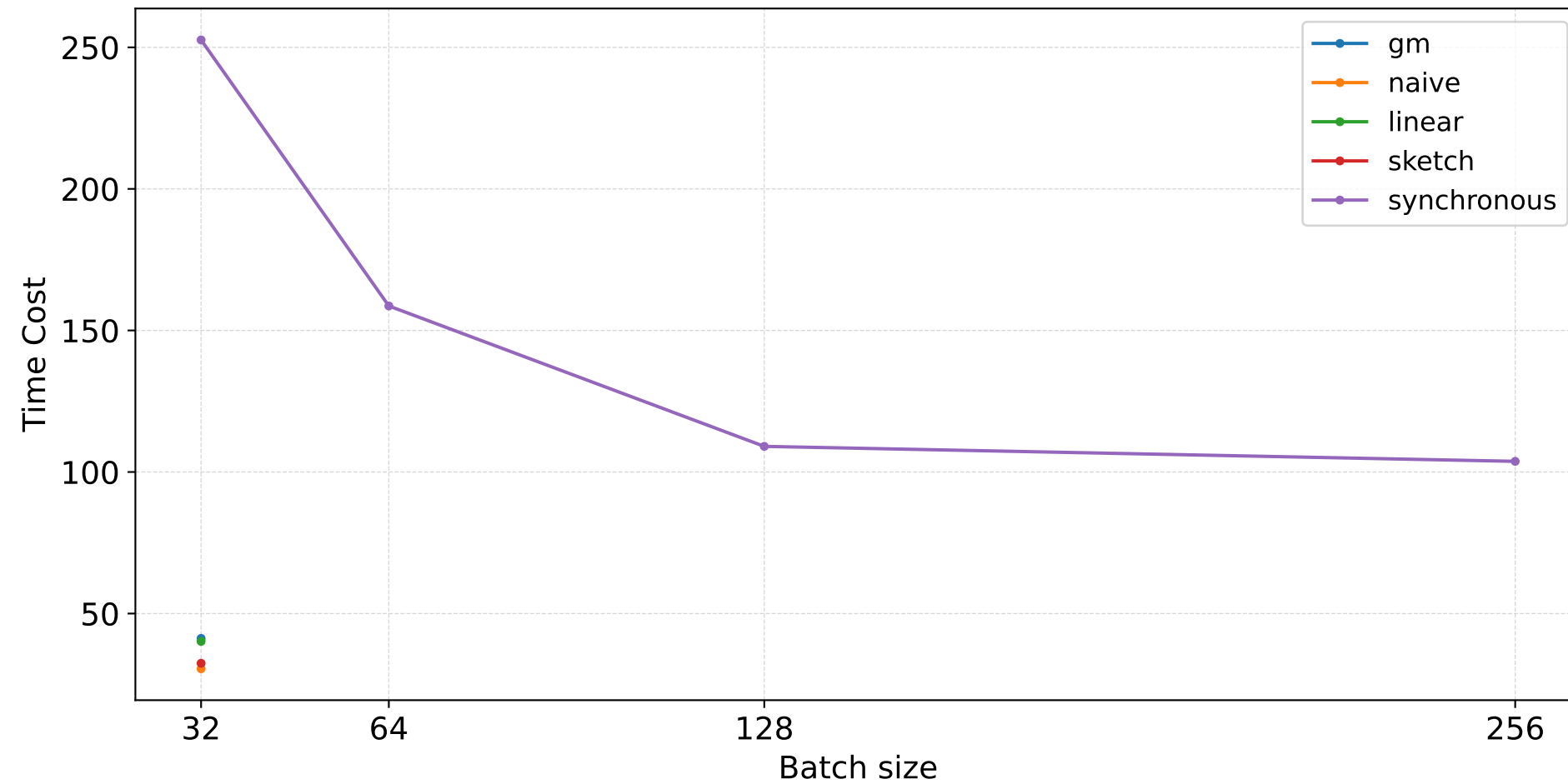


Hypercube Communication Model

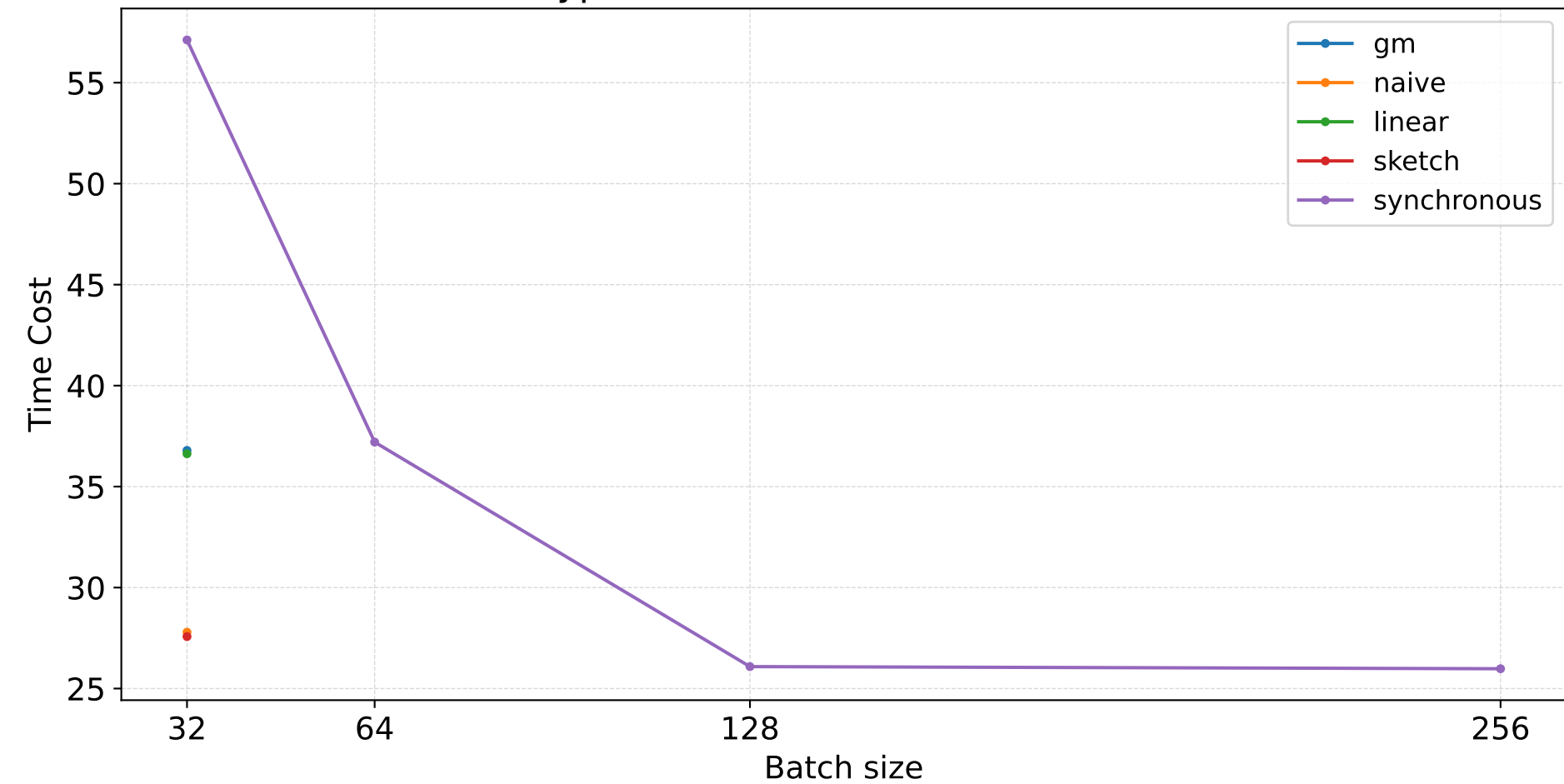


Num Clients : 20 ,  $\Theta$  : 3.0

Common Channel Communication Model

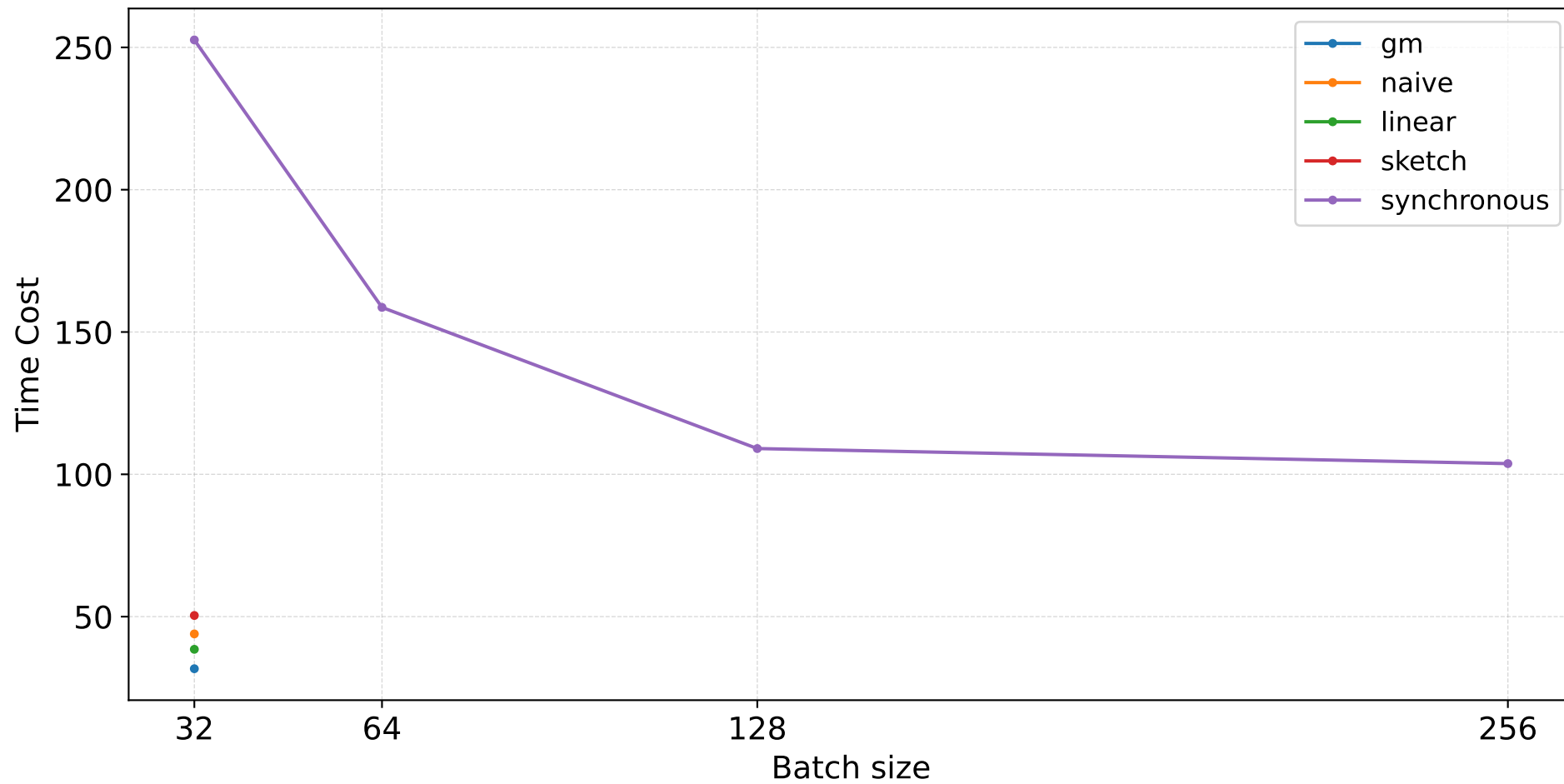


Hypercube Communication Model

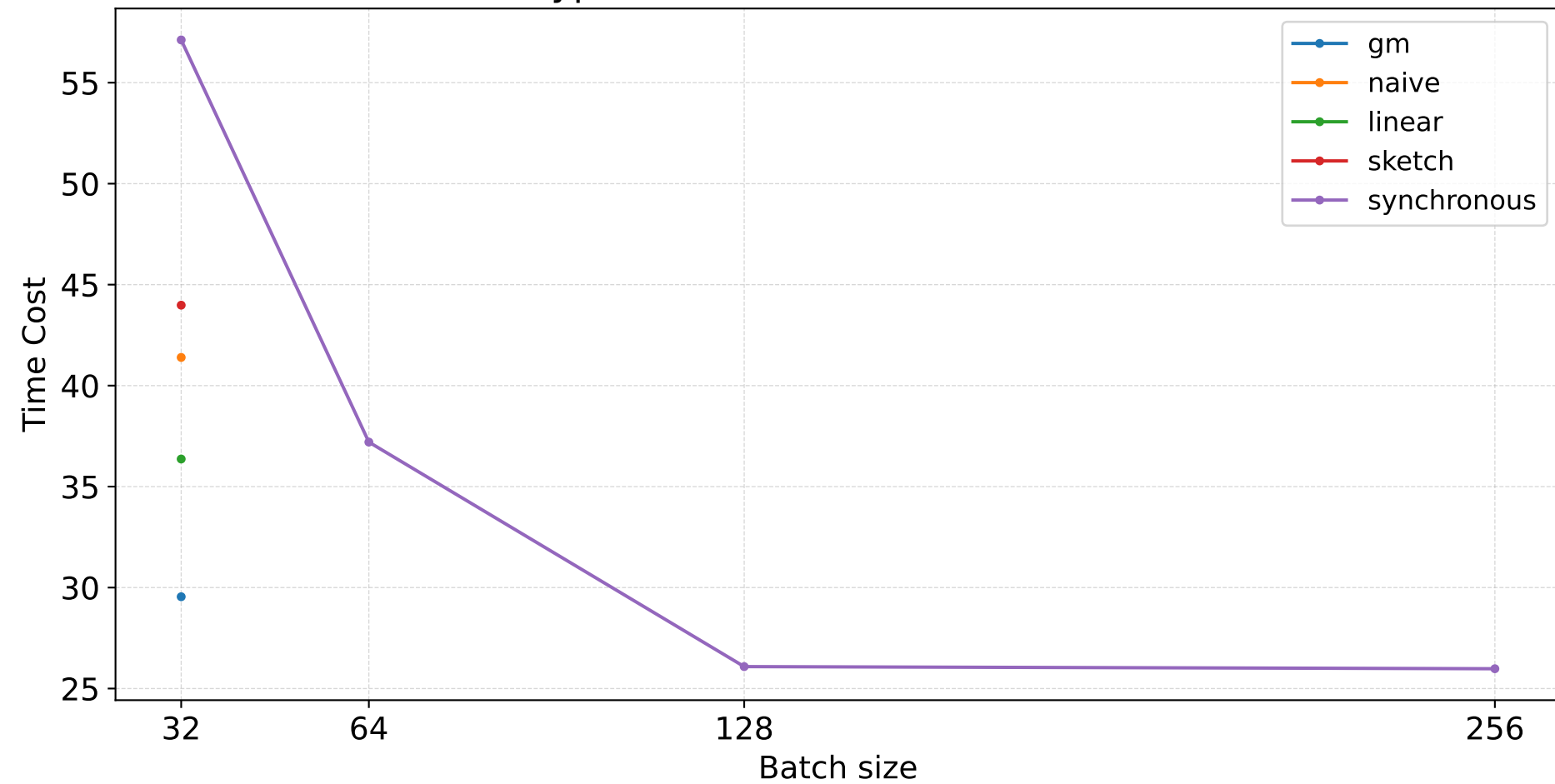


Num Clients : 20 ,  $\Theta$  : 5.0

Common Channel Communication Model

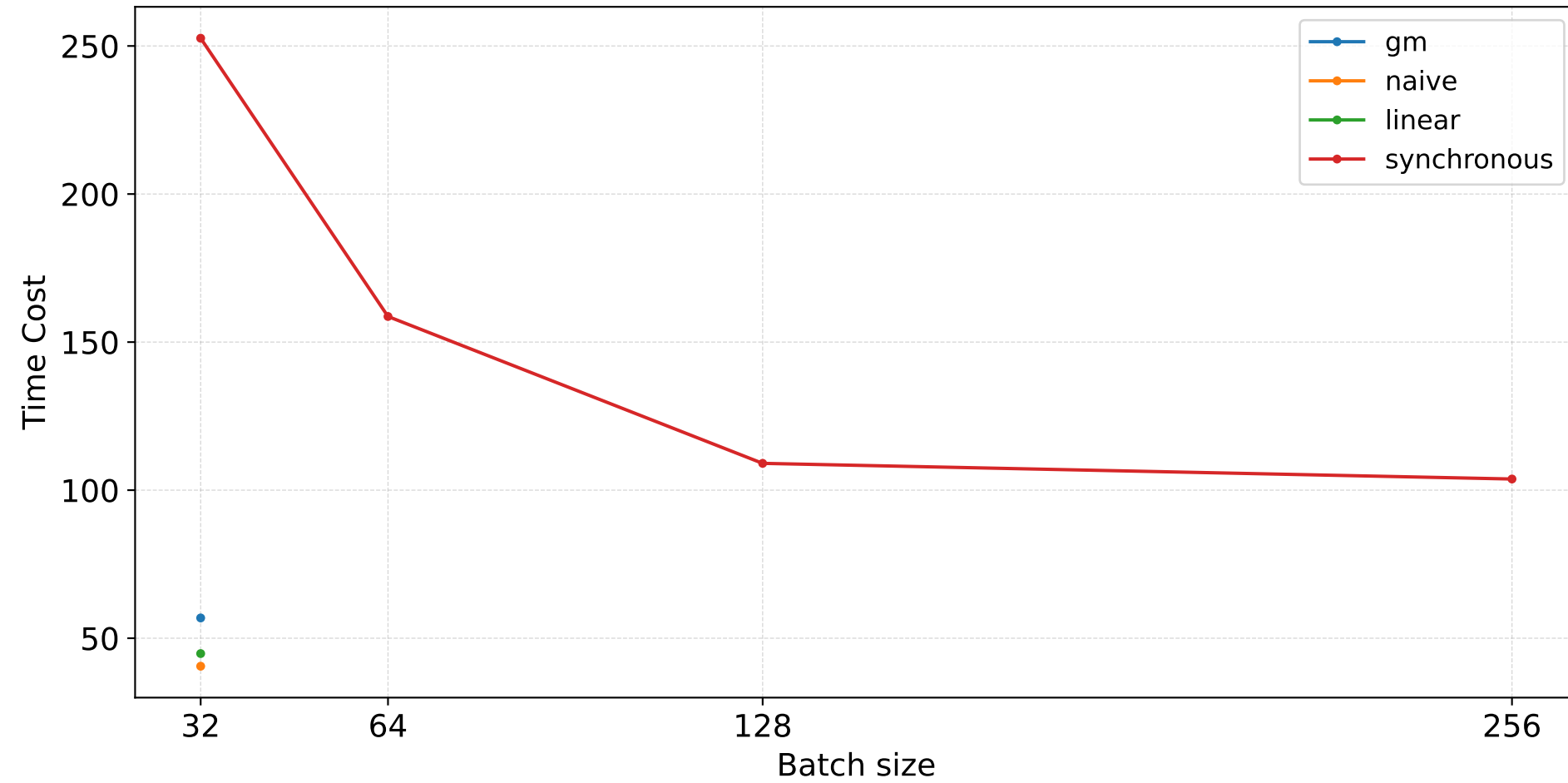


Hypercube Communication Model

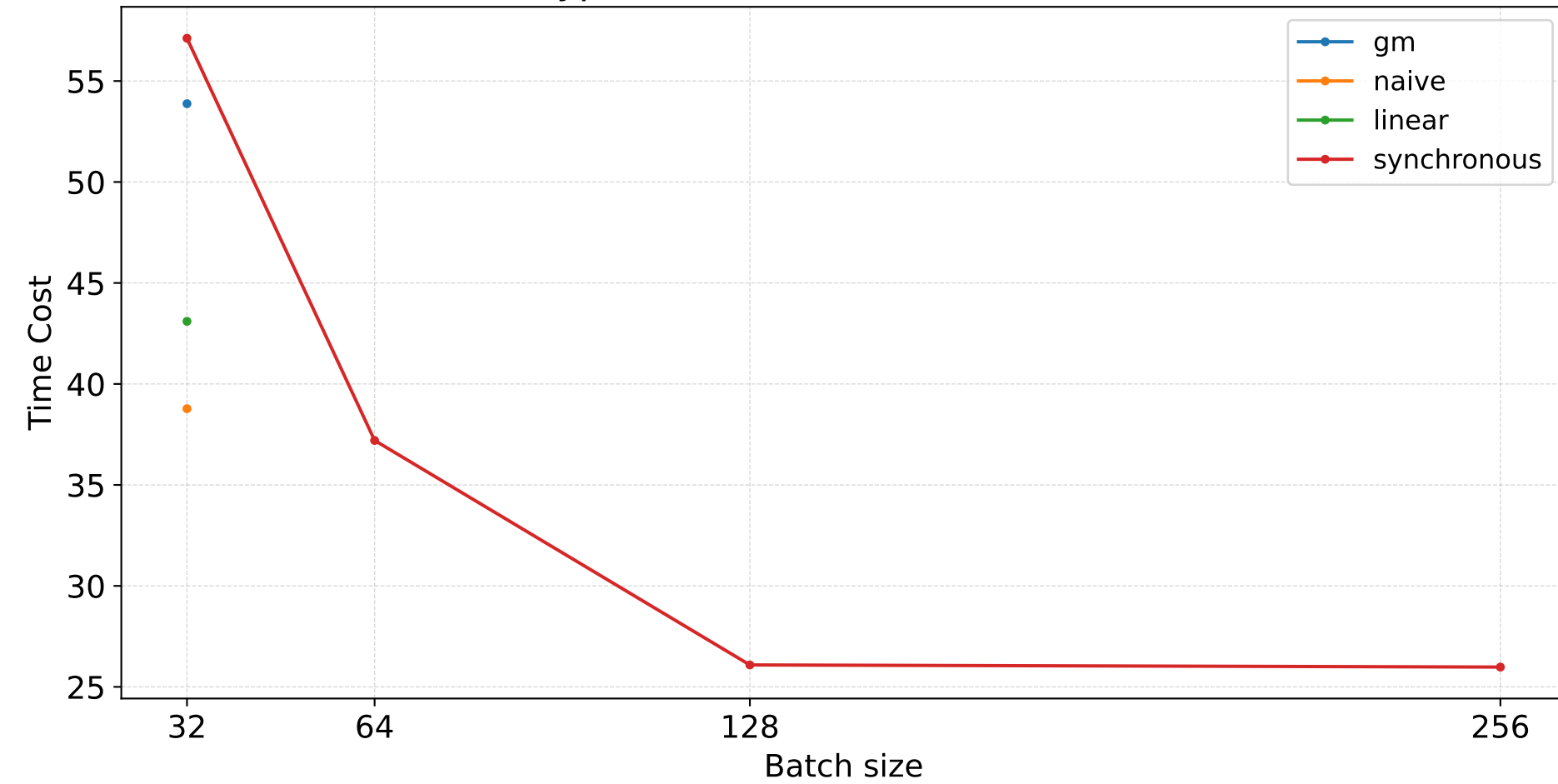


Num Clients : 20 ,  $\Theta$  : 7.0

Common Channel Communication Model

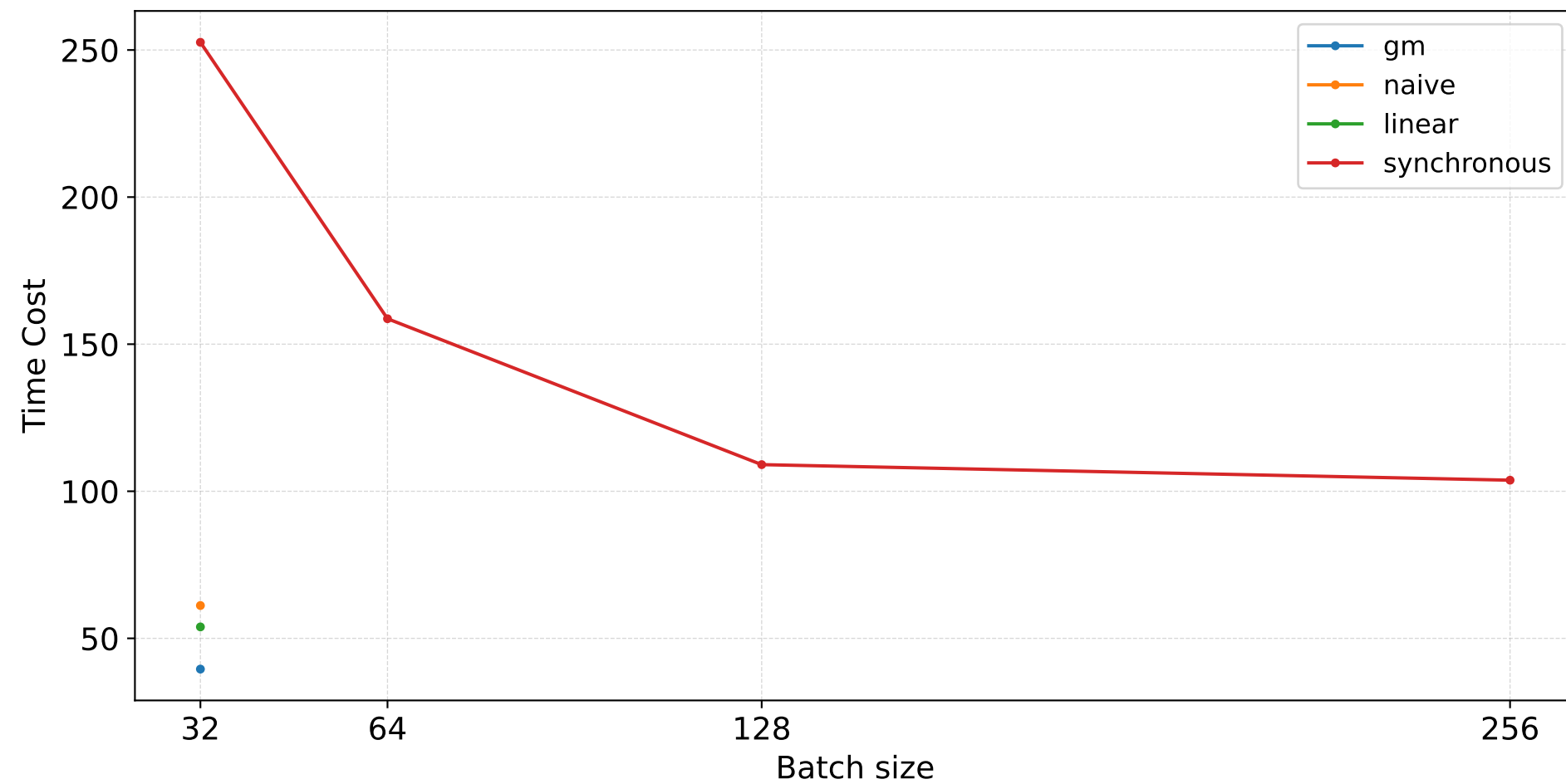


Hypercube Communication Model

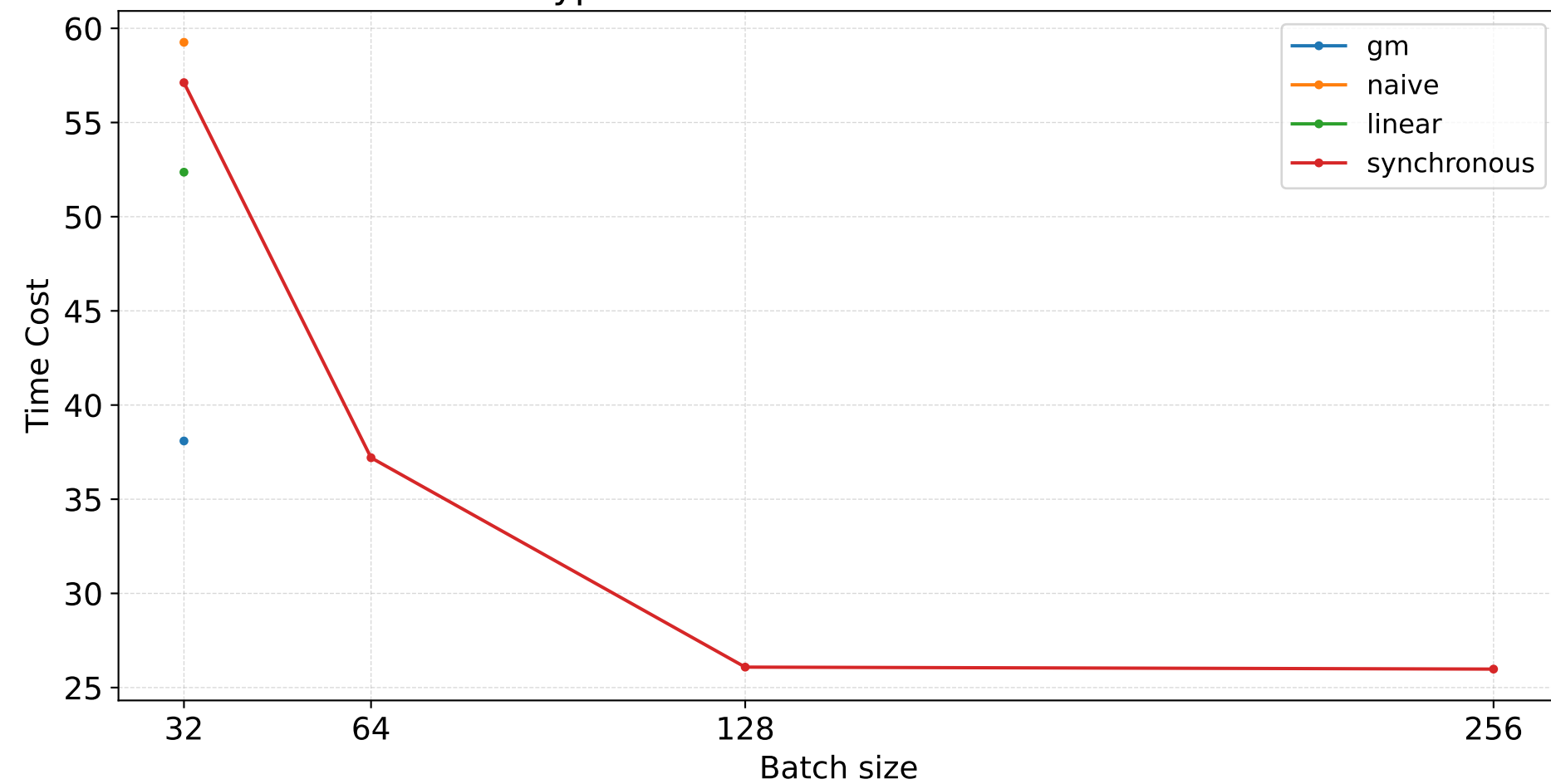


Num Clients : 20 ,  $\Theta$  : 10.0

Common Channel Communication Model

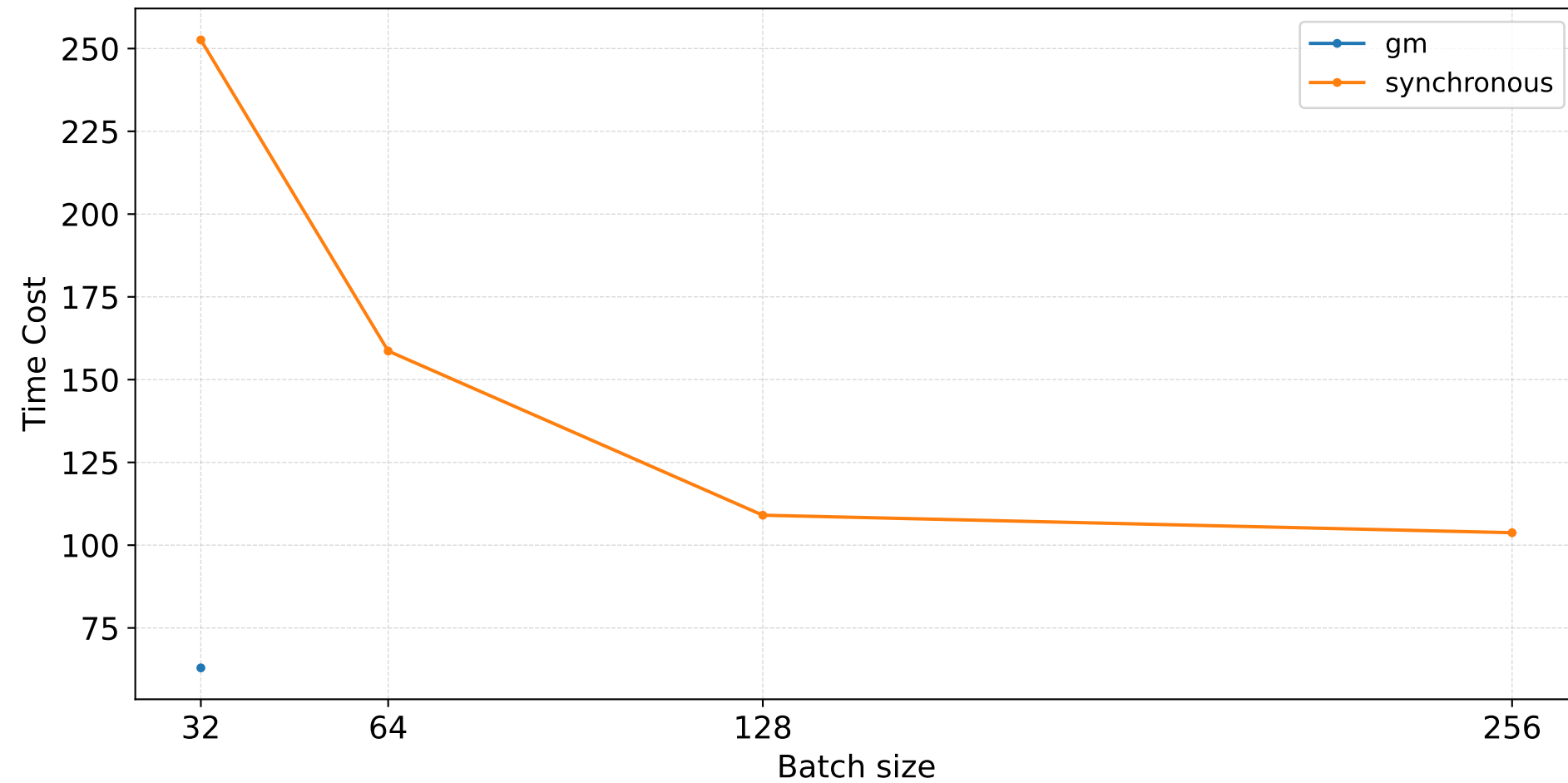


Hypercube Communication Model

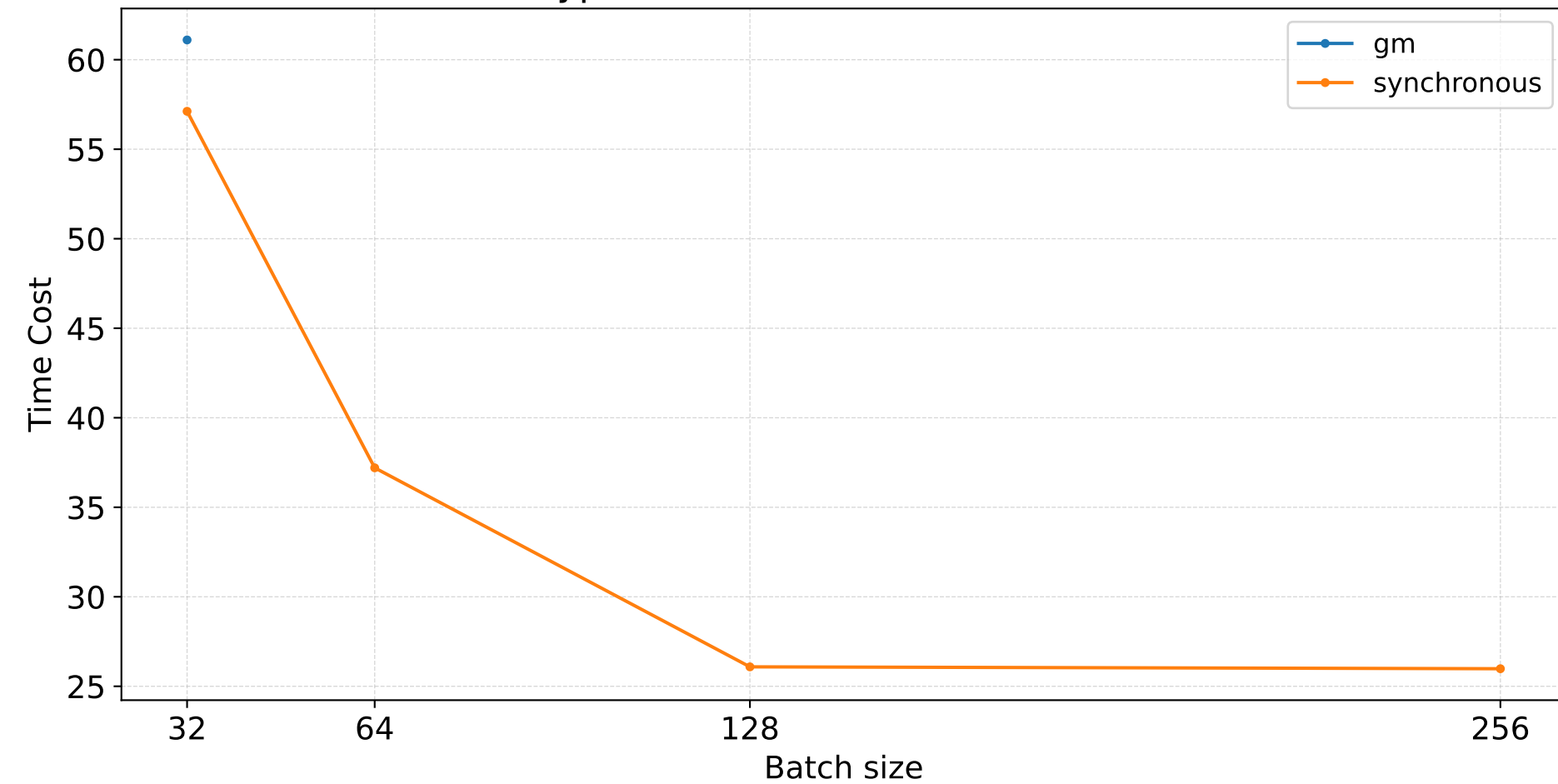


Num Clients : 20 ,  $\Theta$  : 12.0

Common Channel Communication Model

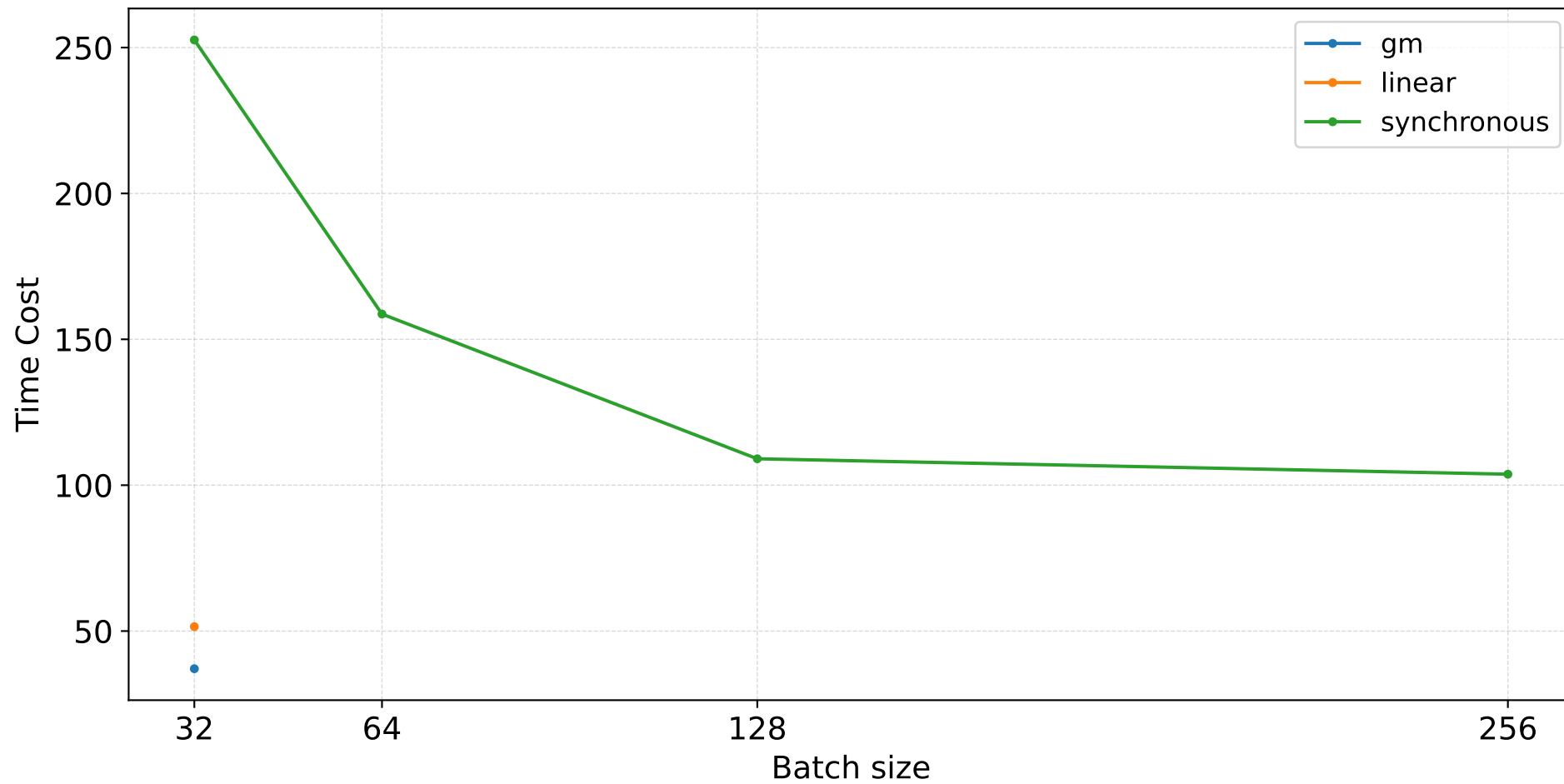


Hypercube Communication Model

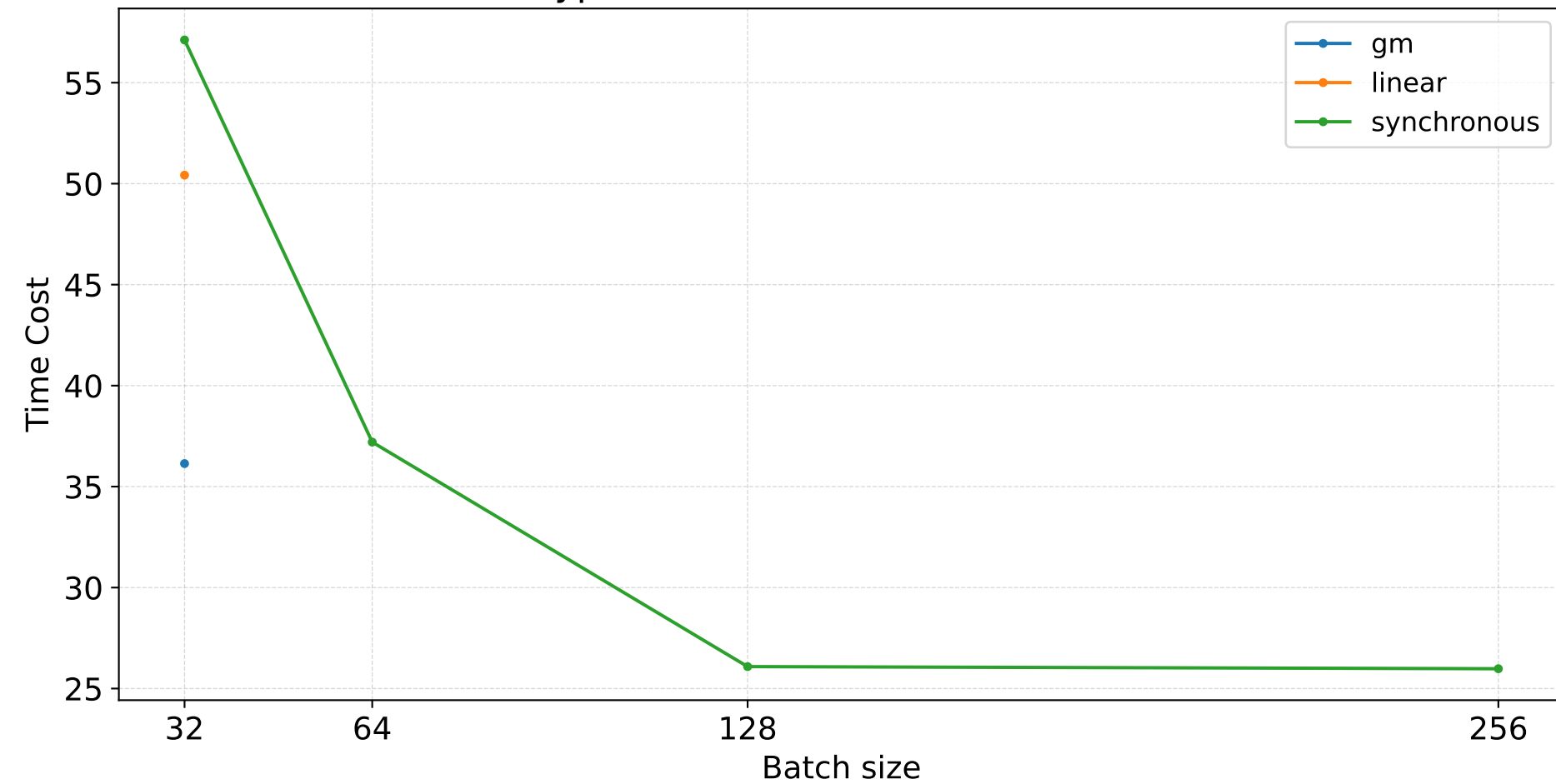


Num Clients : 20 ,  $\Theta$  : 15.0

Common Channel Communication Model



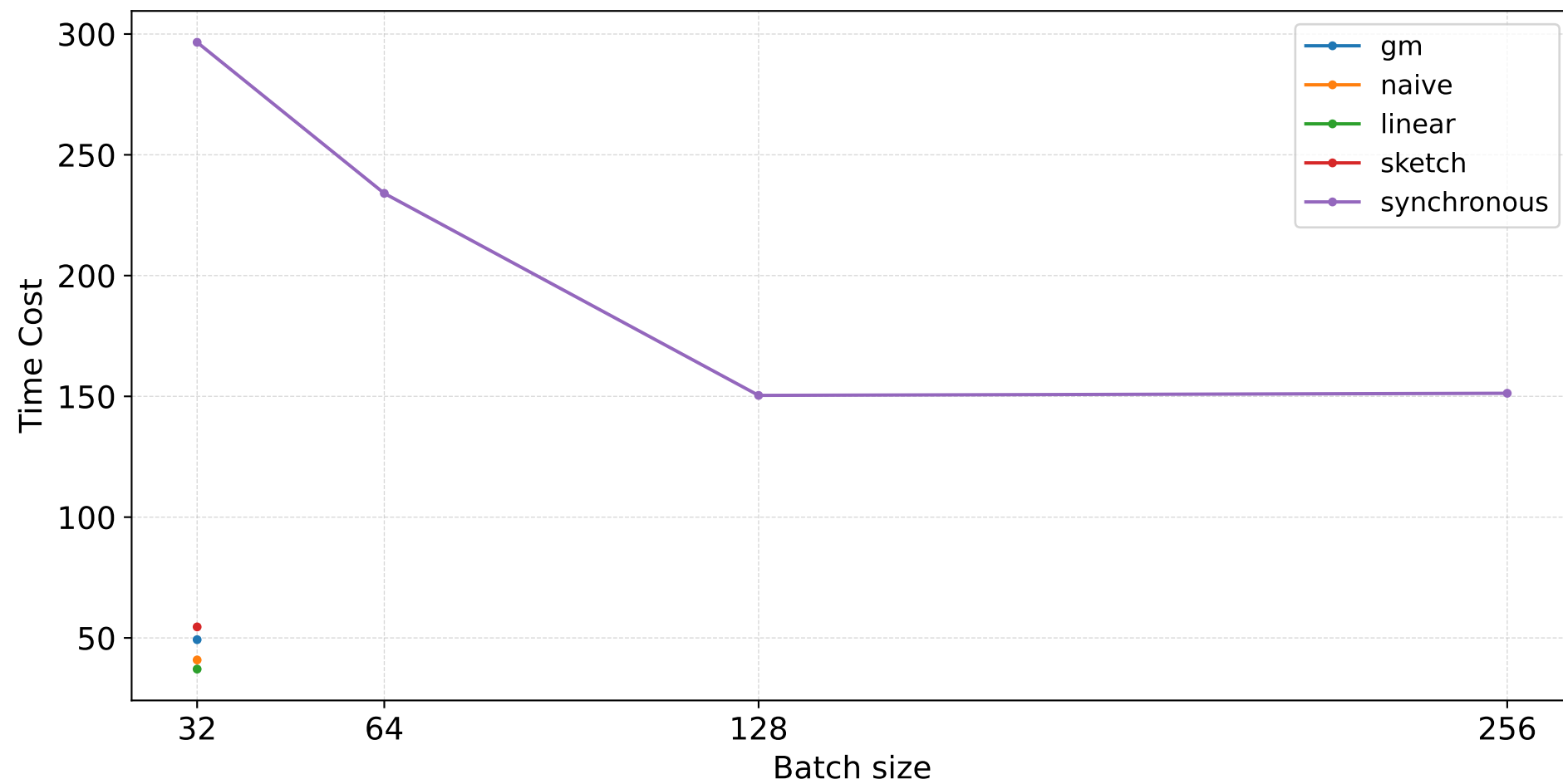
Hypercube Communication Model



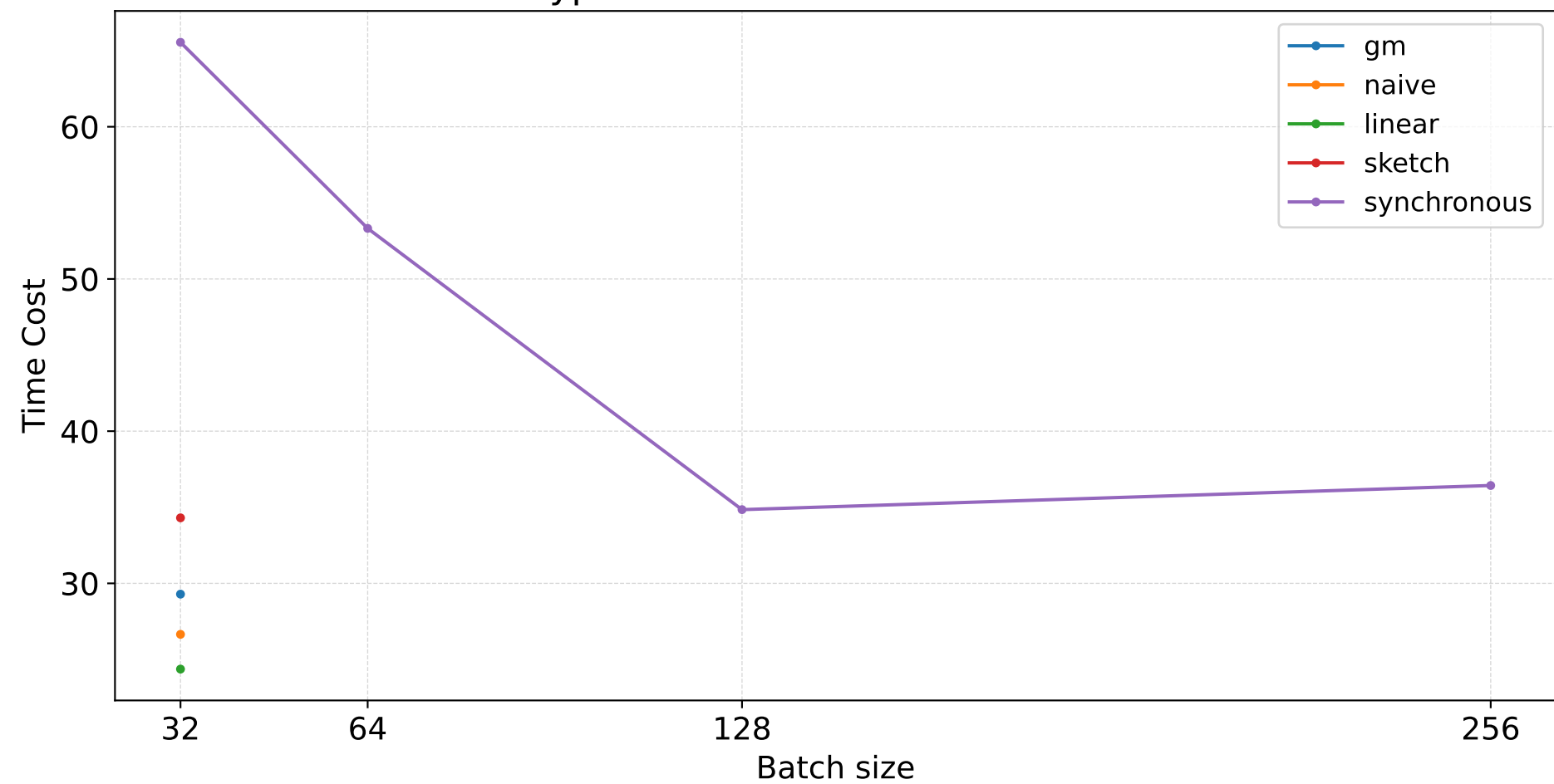


Num Clients : 25 ,  $\Theta$  : 0.5

Common Channel Communication Model

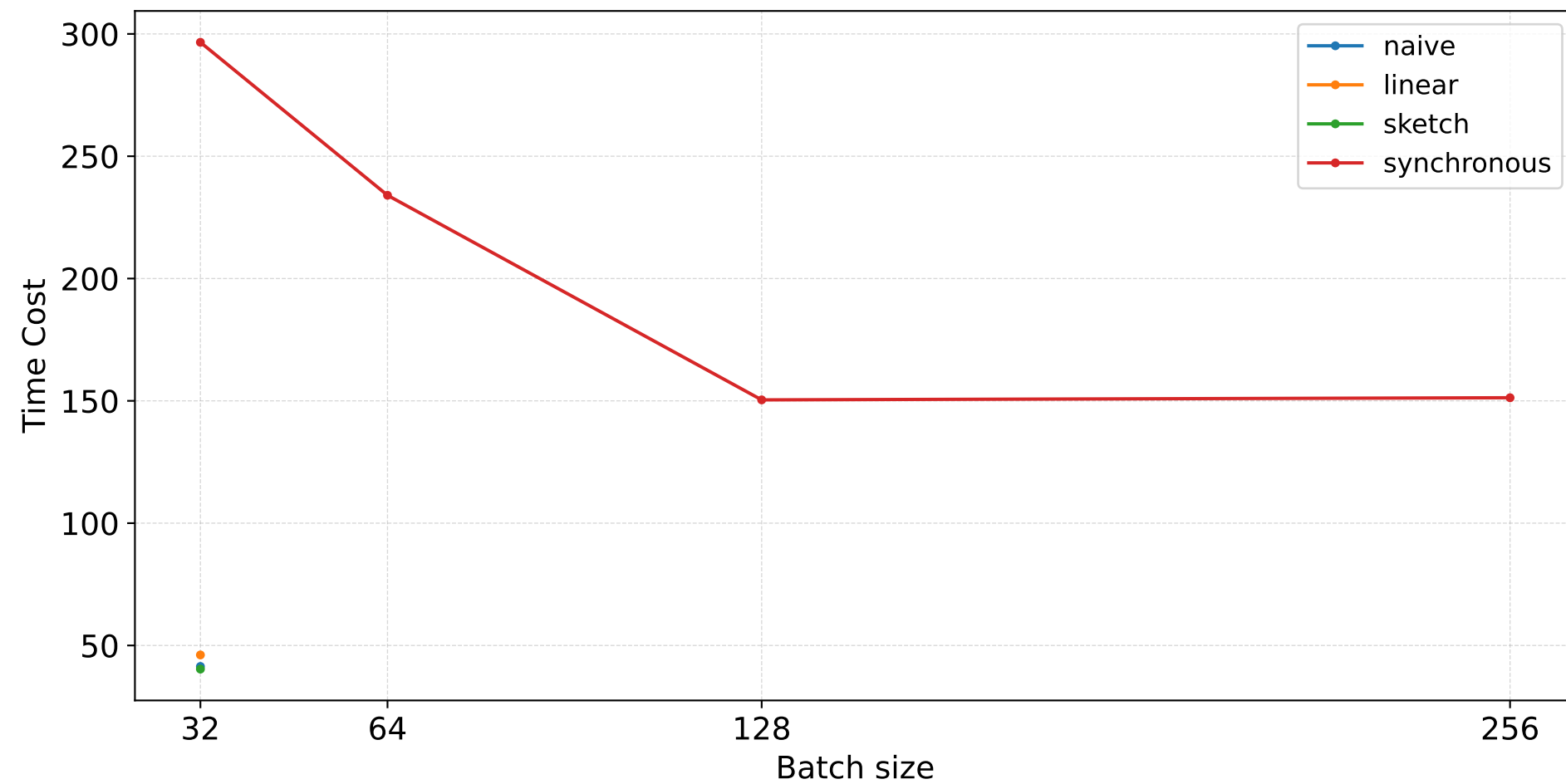


Hypercube Communication Model

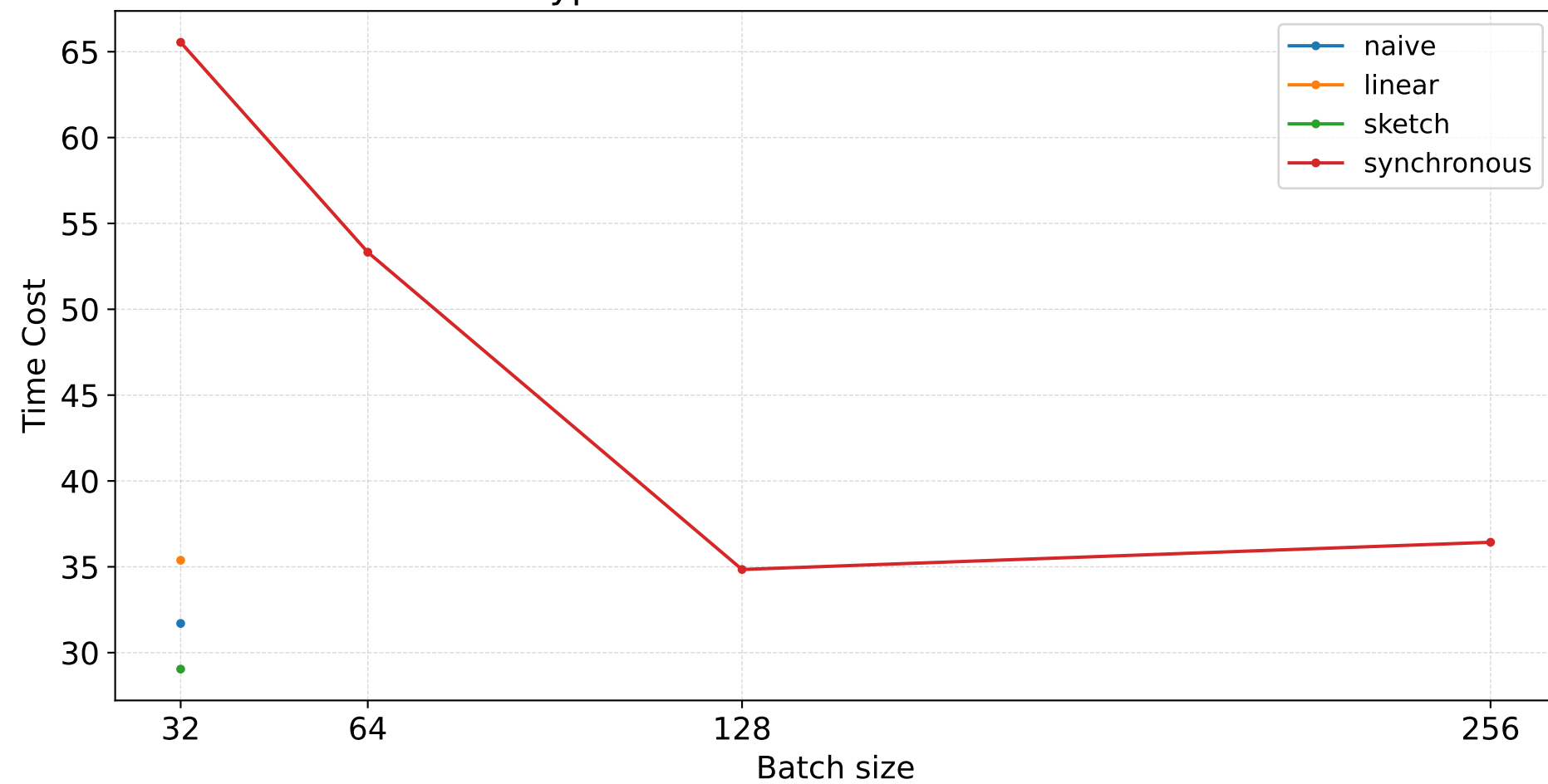


Num Clients : 25 ,  $\Theta$  : 1.0

Common Channel Communication Model

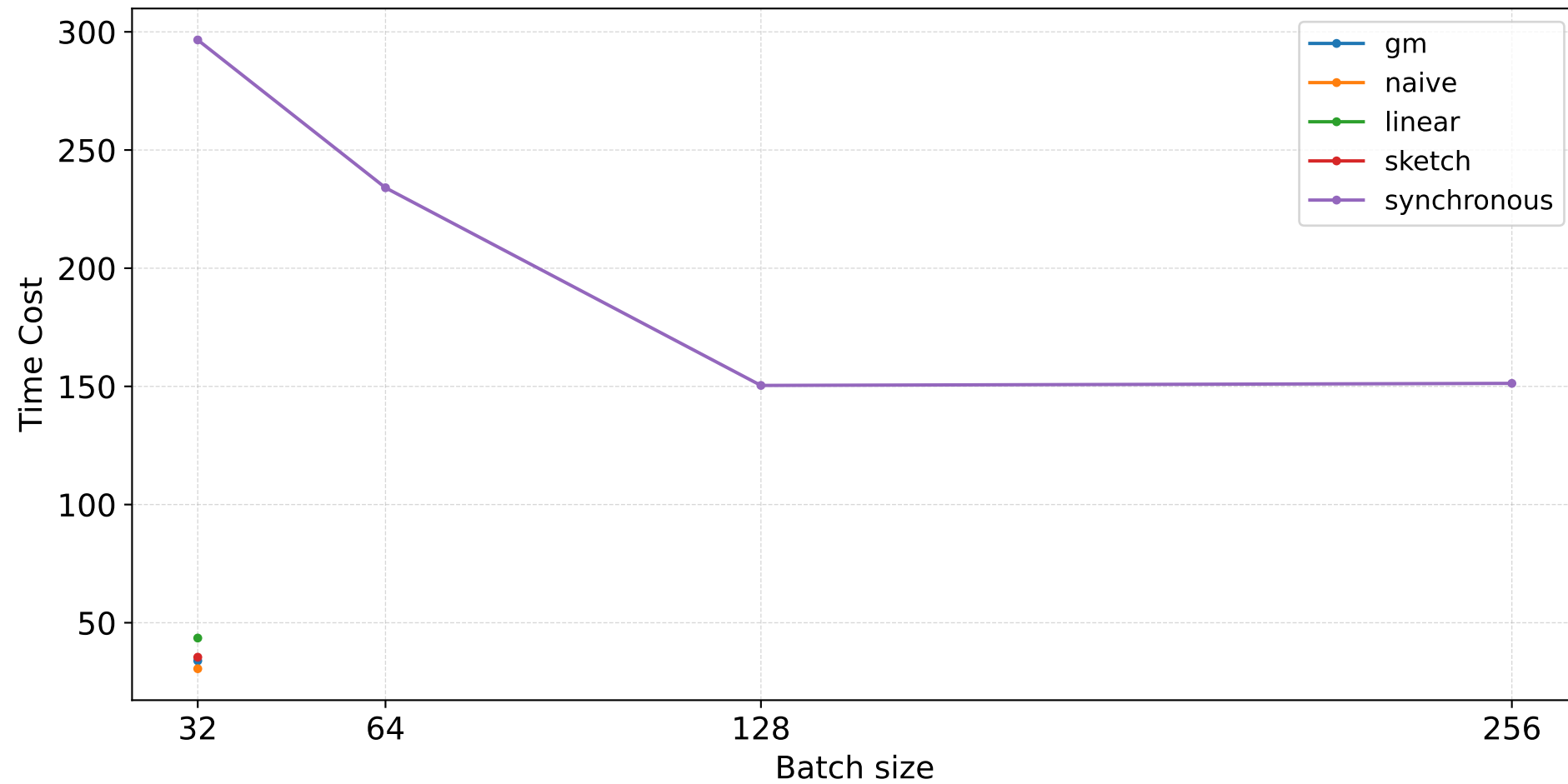


Hypercube Communication Model

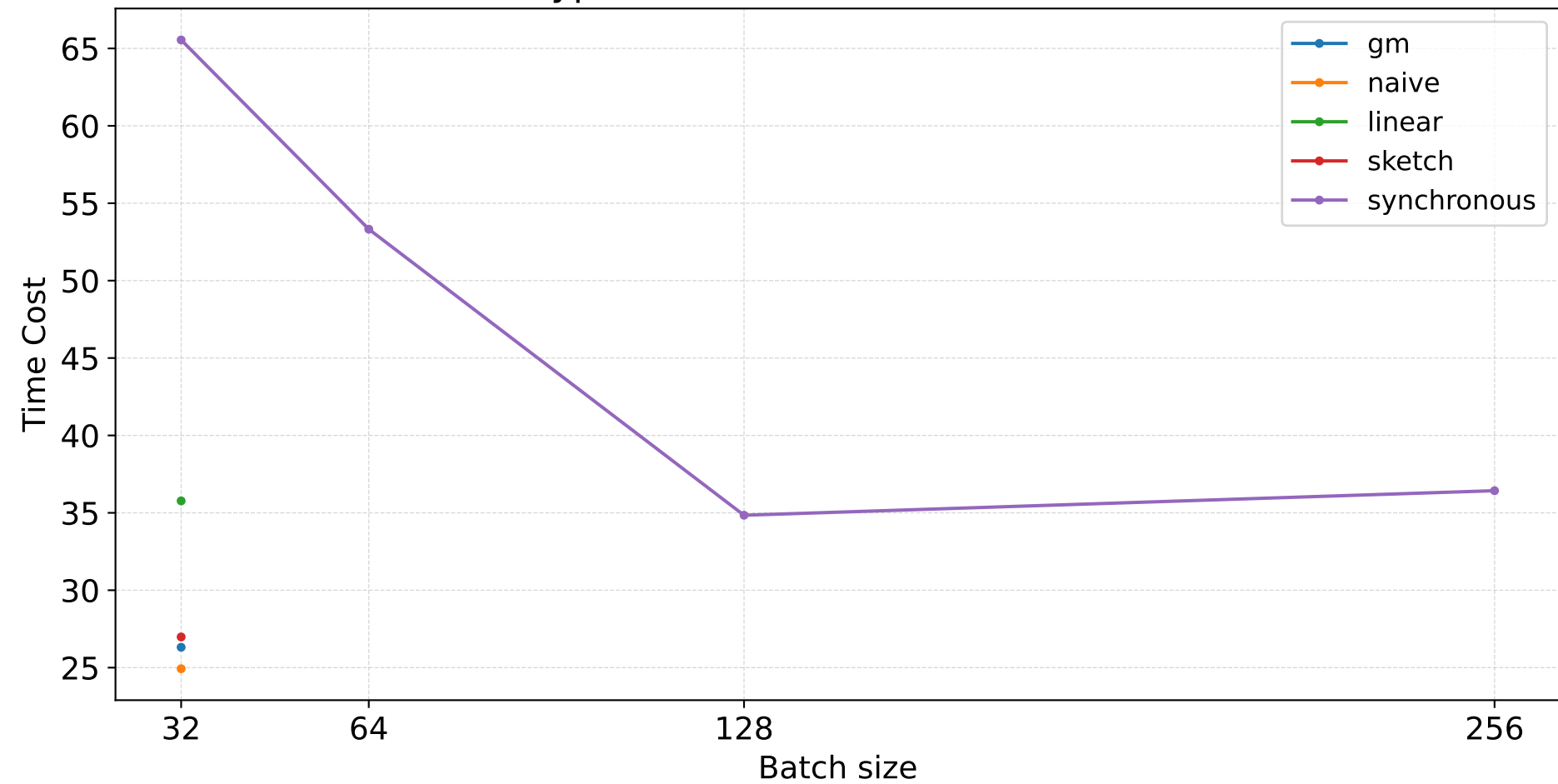


Num Clients : 25 ,  $\Theta$  : 1.5

Common Channel Communication Model

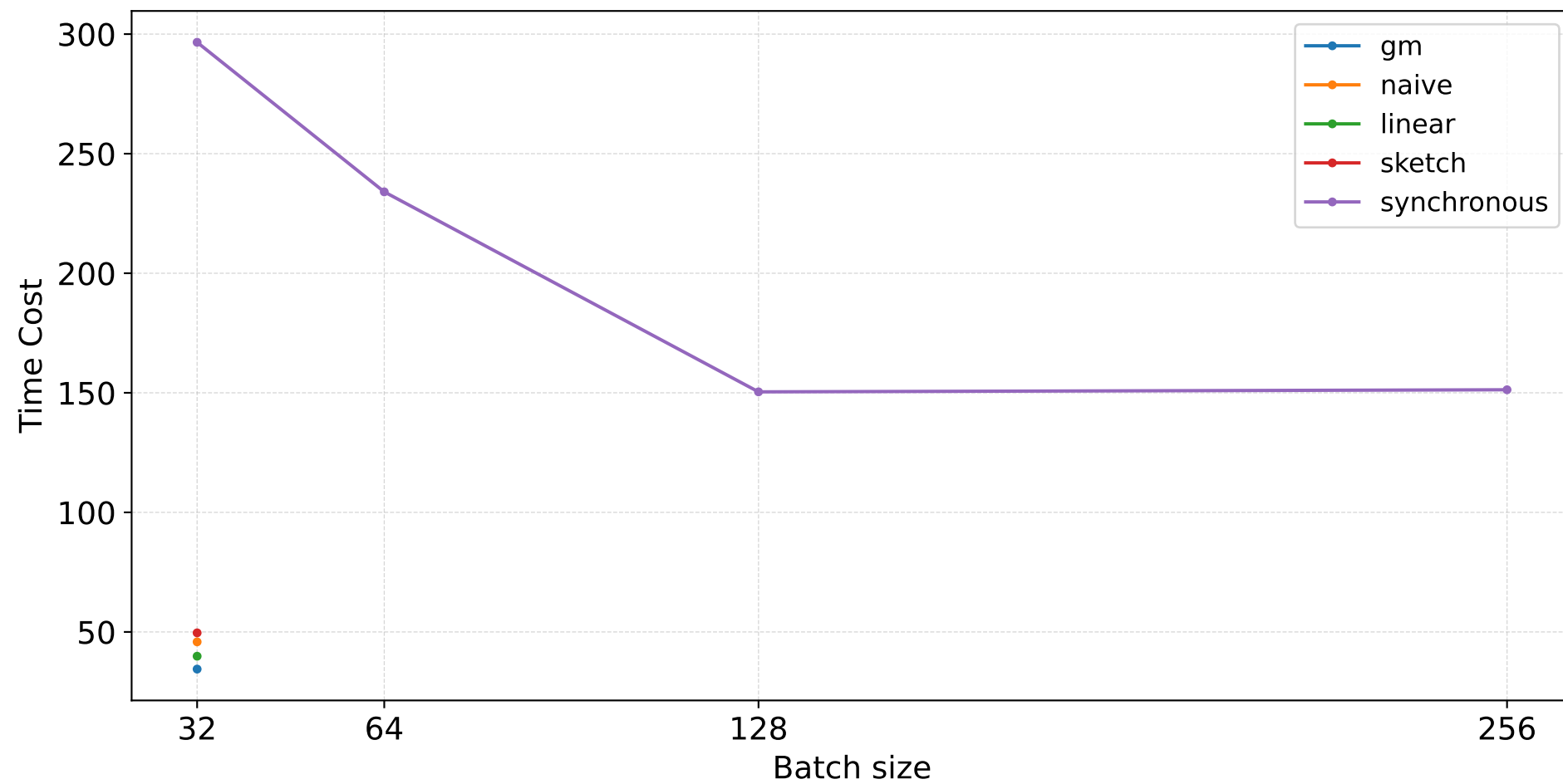


Hypercube Communication Model

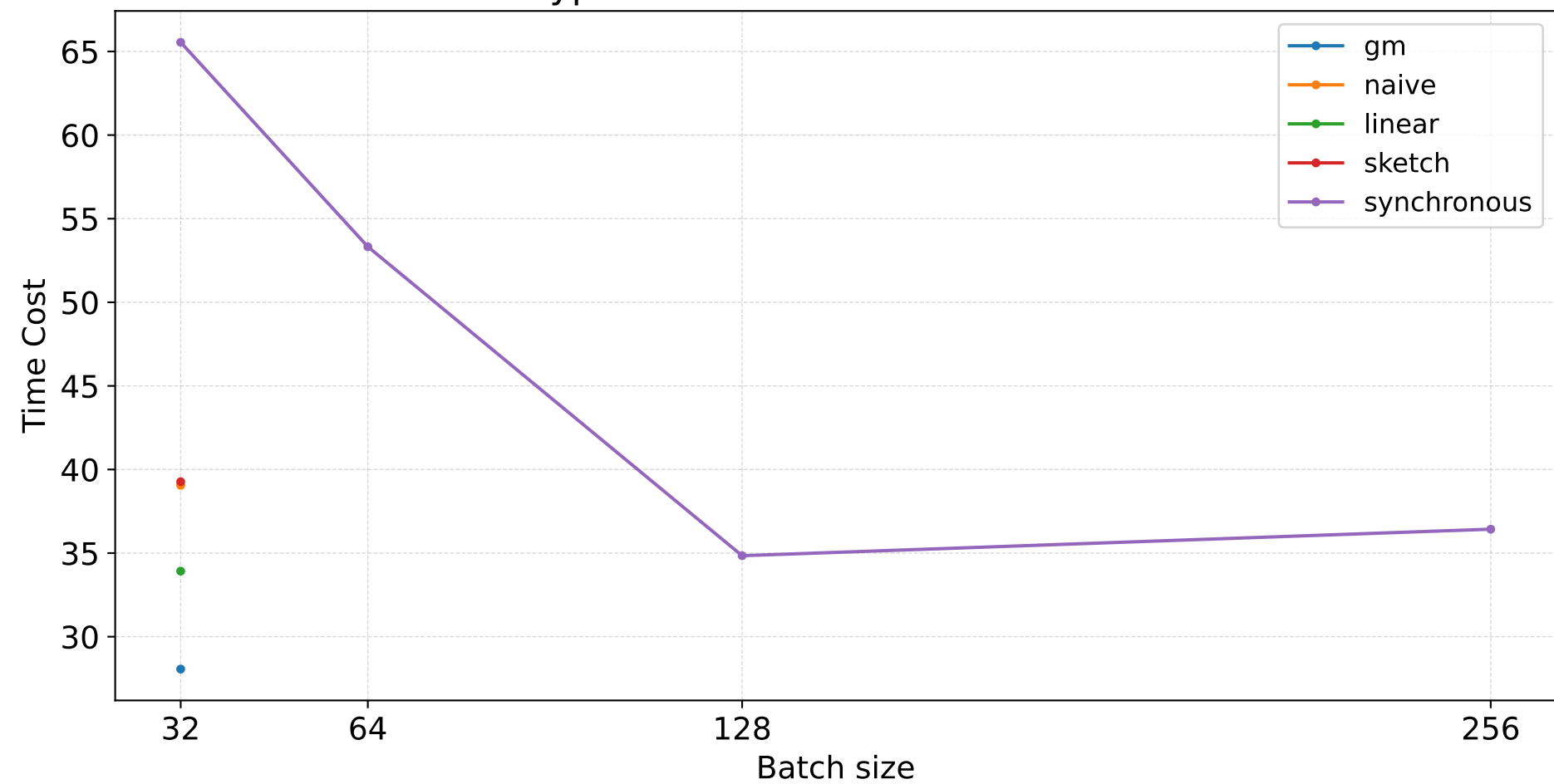


Num Clients : 25 ,  $\Theta$  : 2.0

Common Channel Communication Model

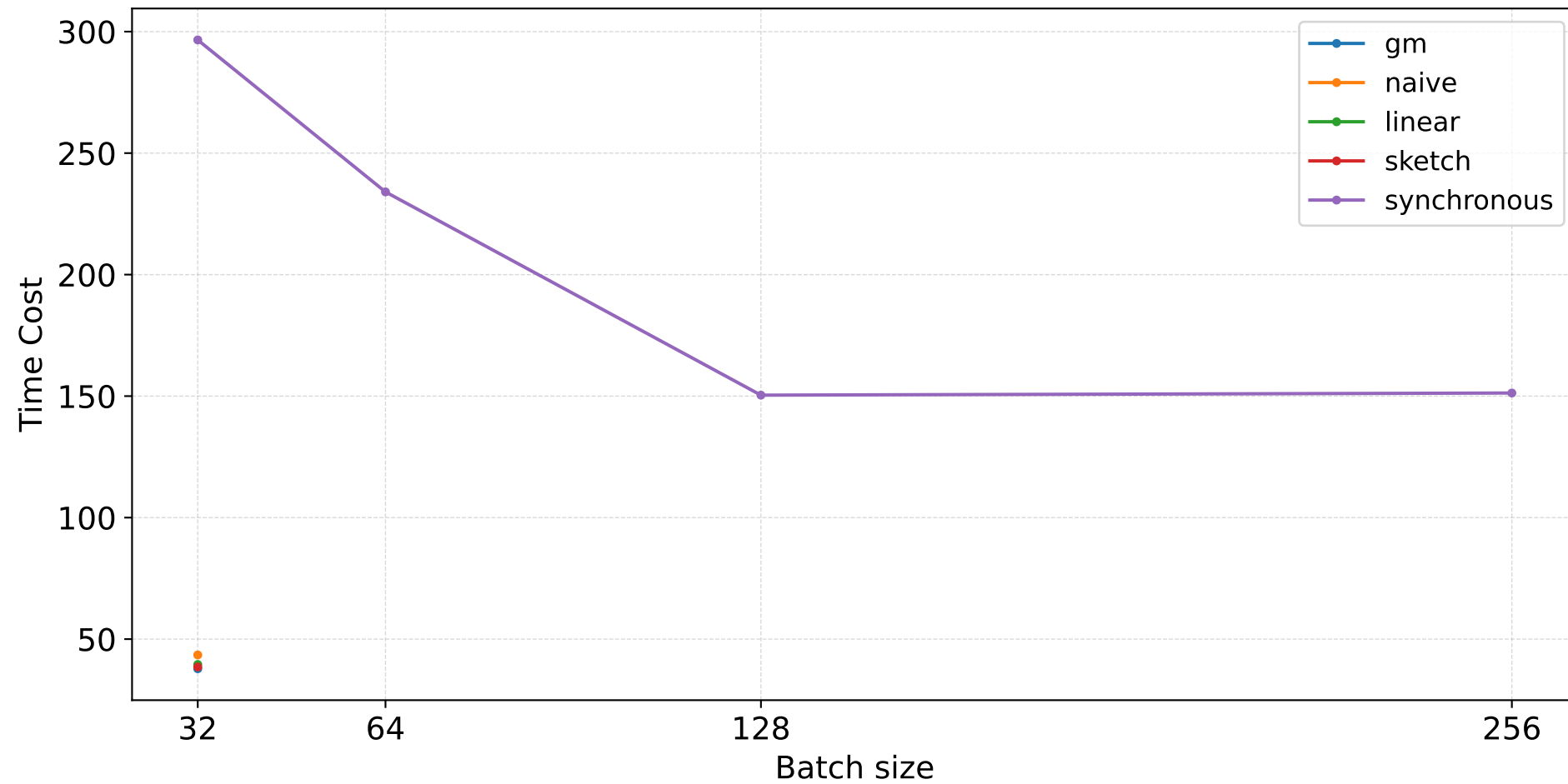


Hypercube Communication Model

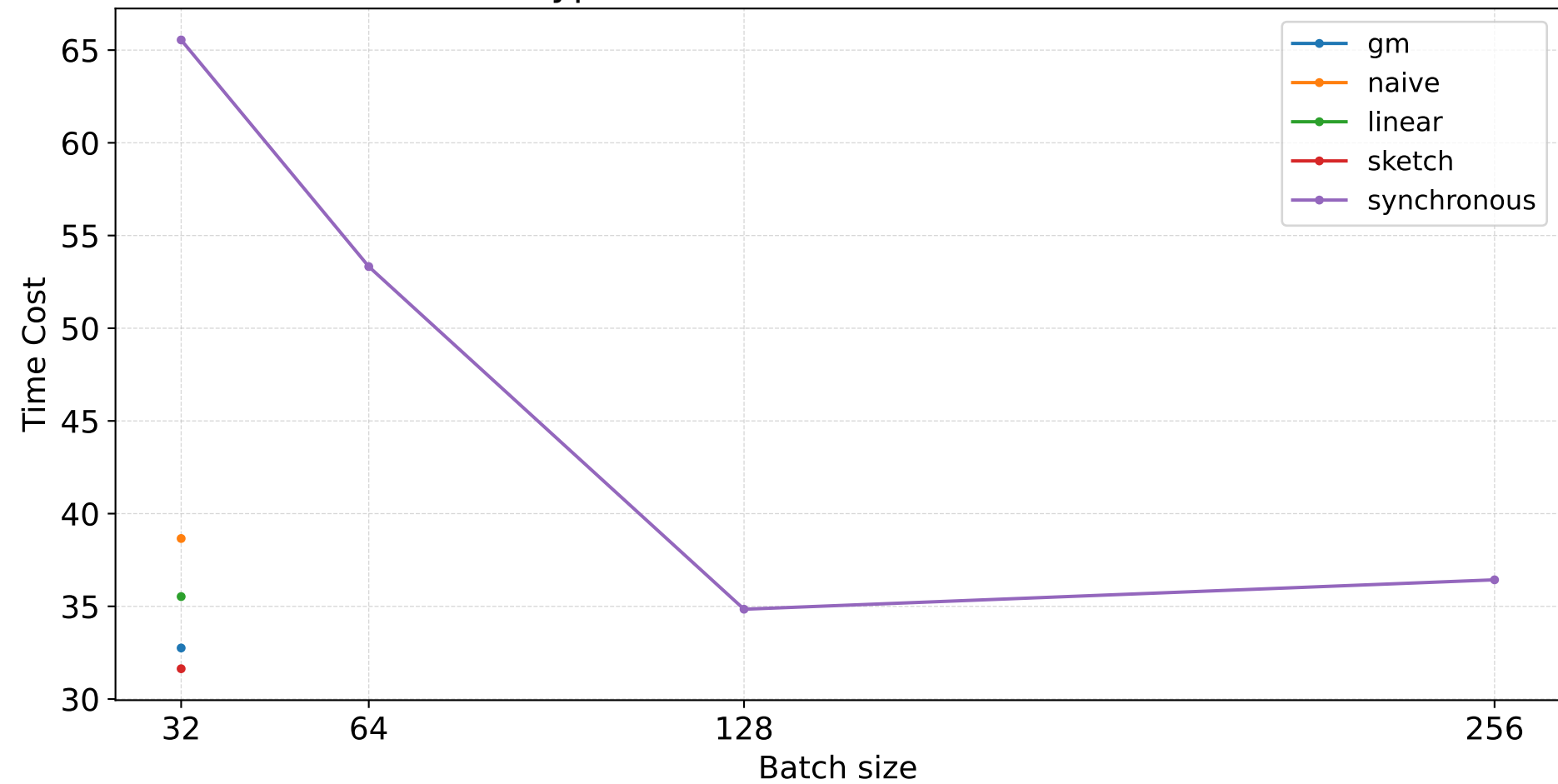


Num Clients : 25 ,  $\Theta$  : 3.0

Common Channel Communication Model

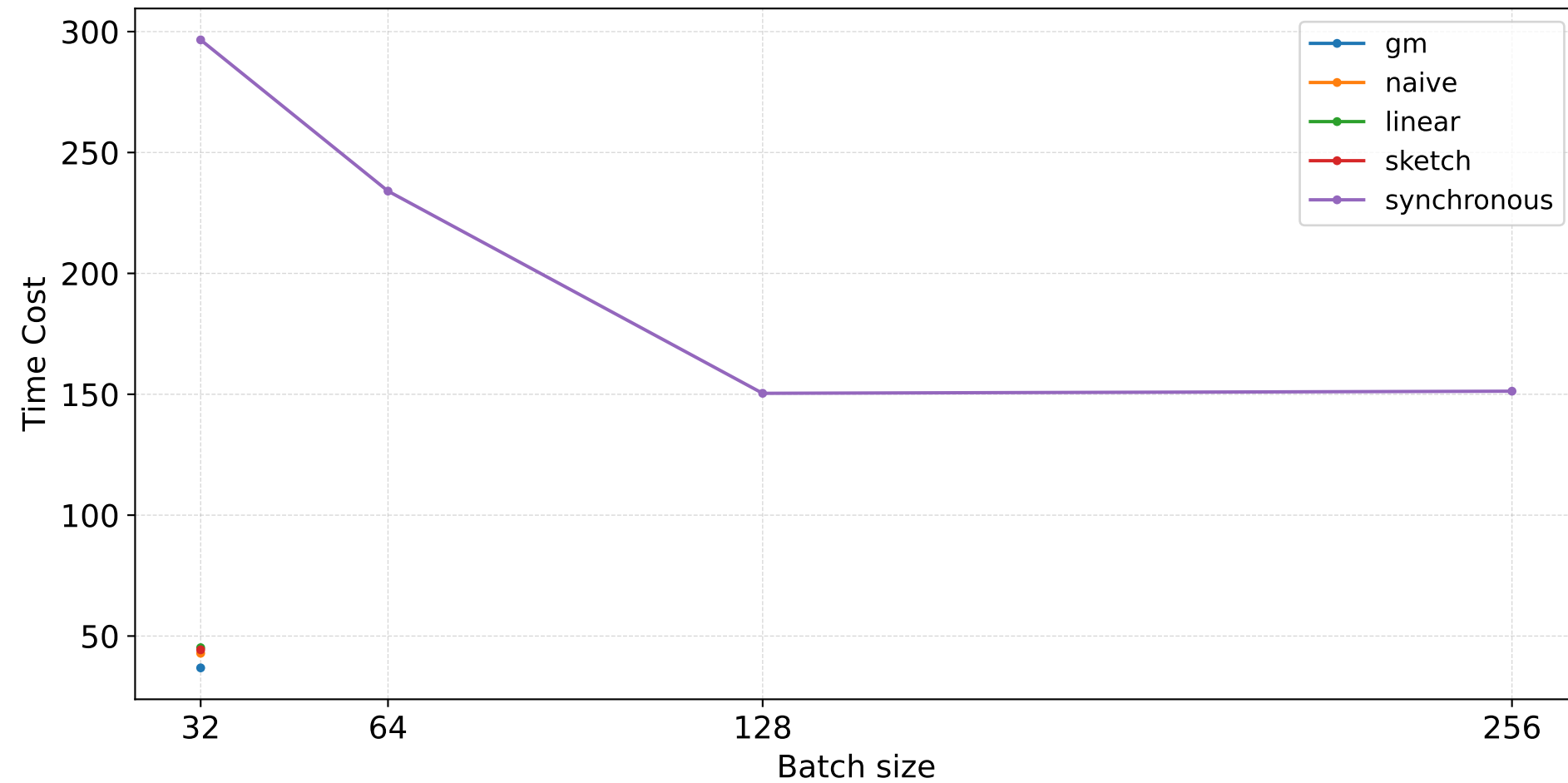


Hypercube Communication Model

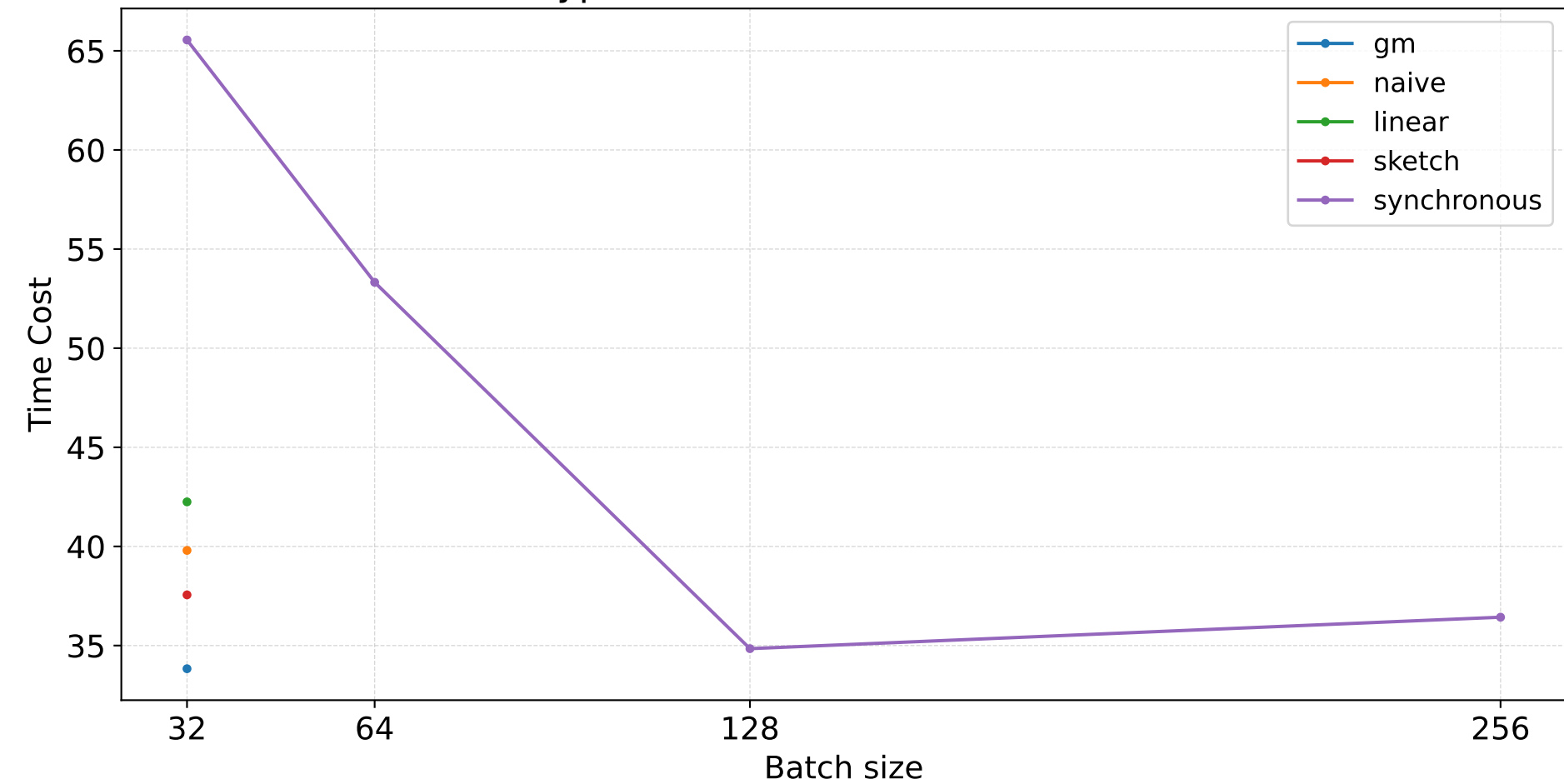


Num Clients : 25 ,  $\Theta$  : 5.0

Common Channel Communication Model

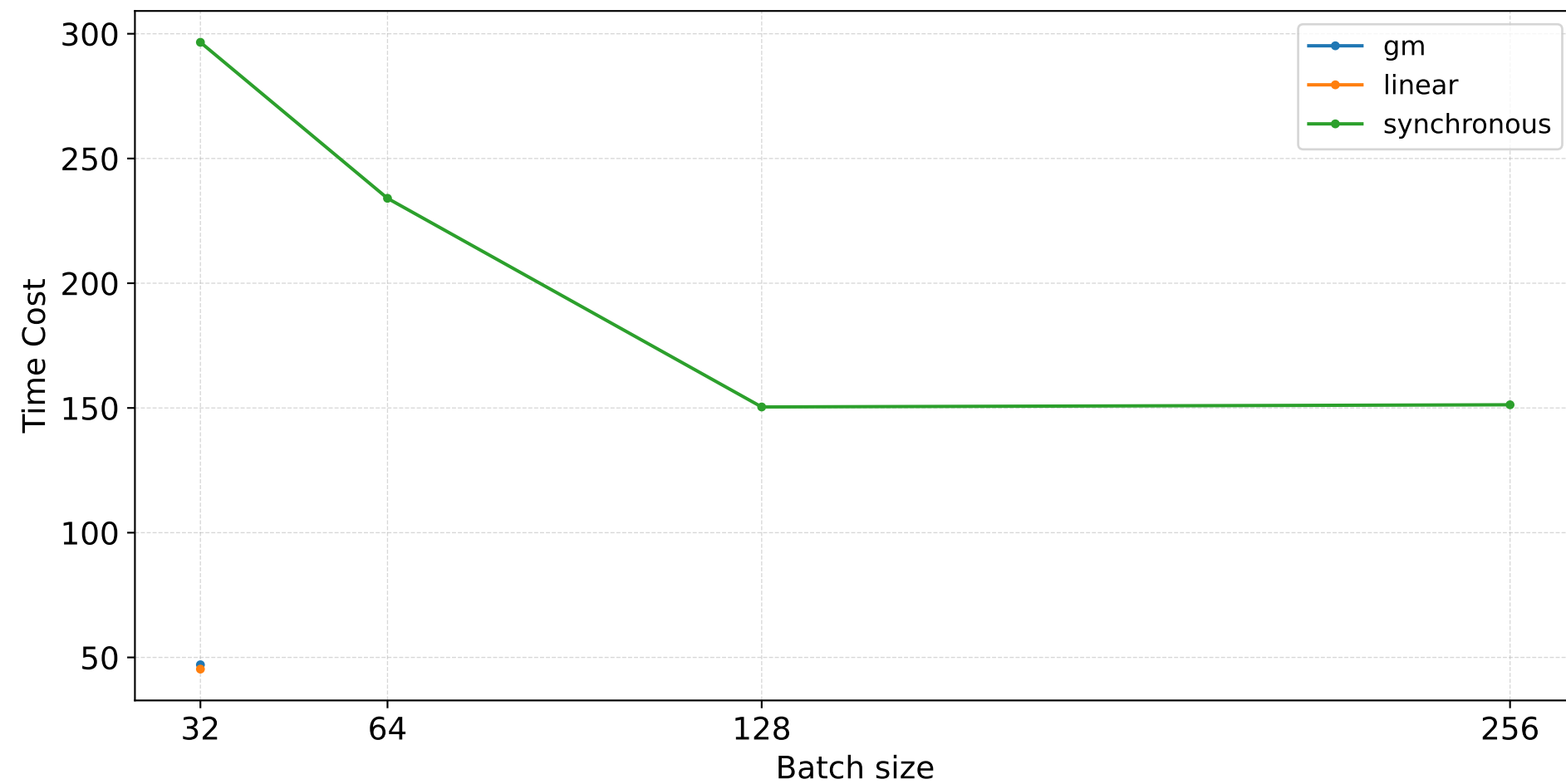


Hypercube Communication Model

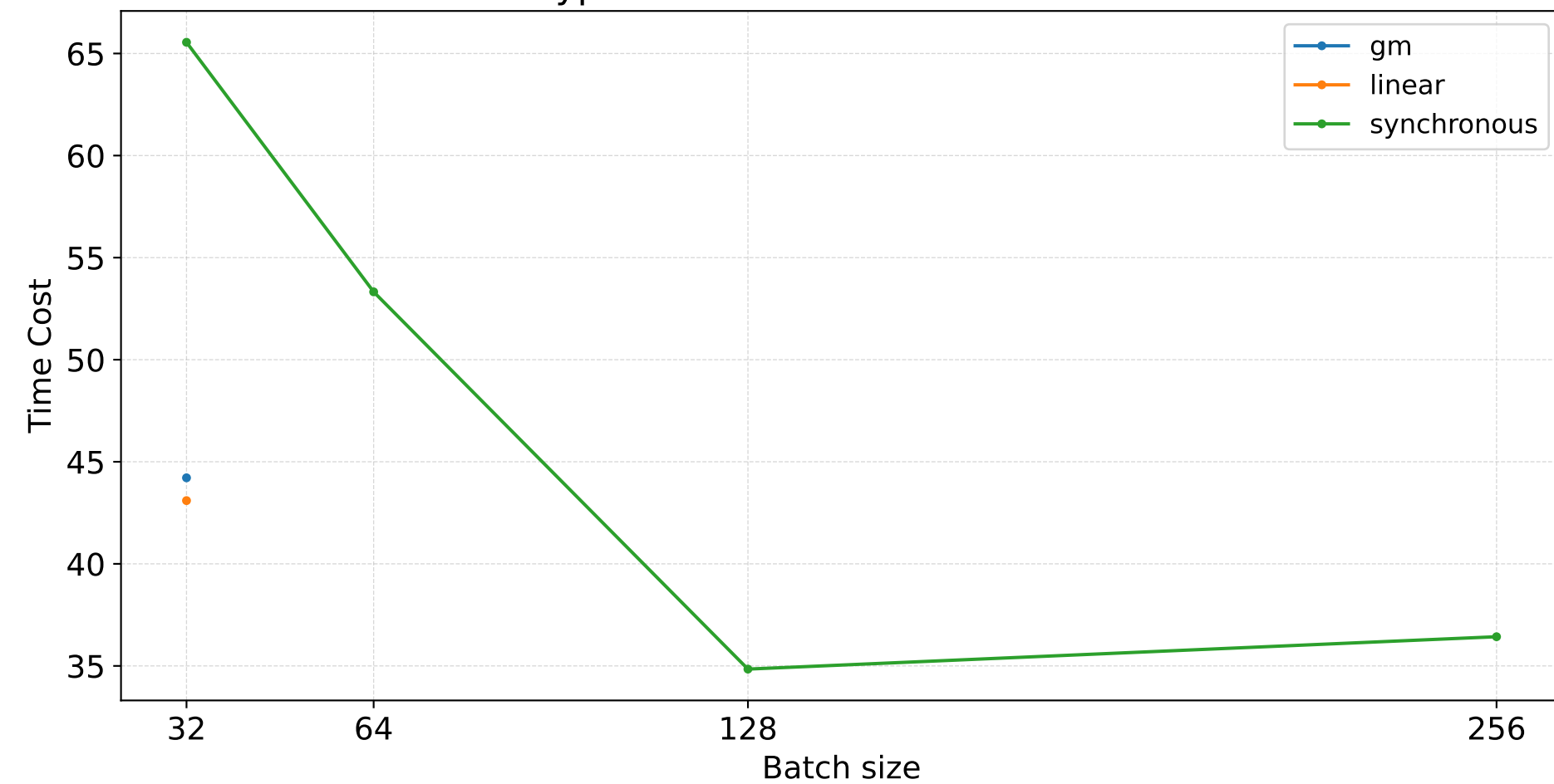


Num Clients : 25 ,  $\Theta$  : 7.0

Common Channel Communication Model

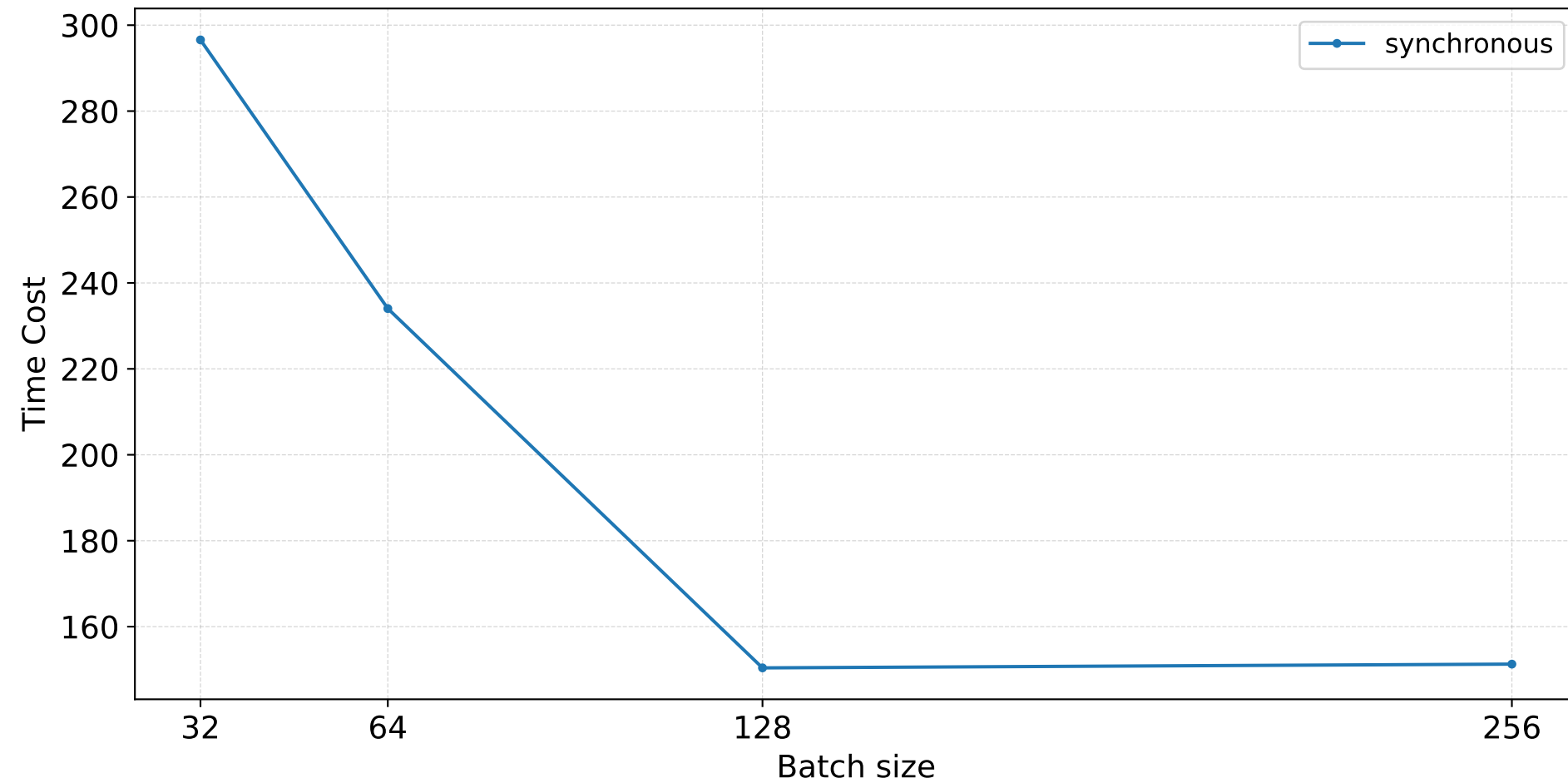


Hypercube Communication Model

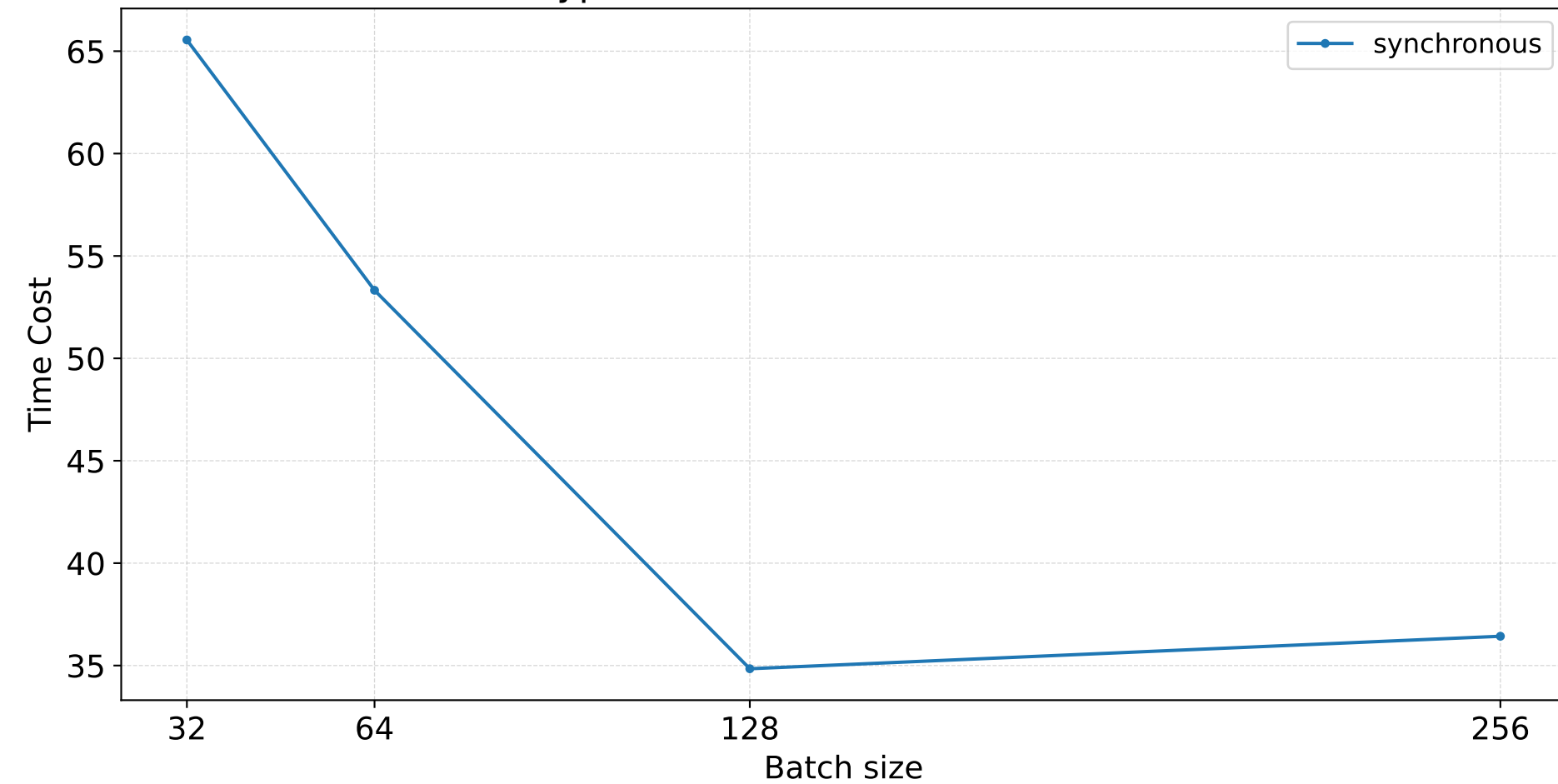


Num Clients : 25 ,  $\Theta$  : 10.0

Common Channel Communication Model



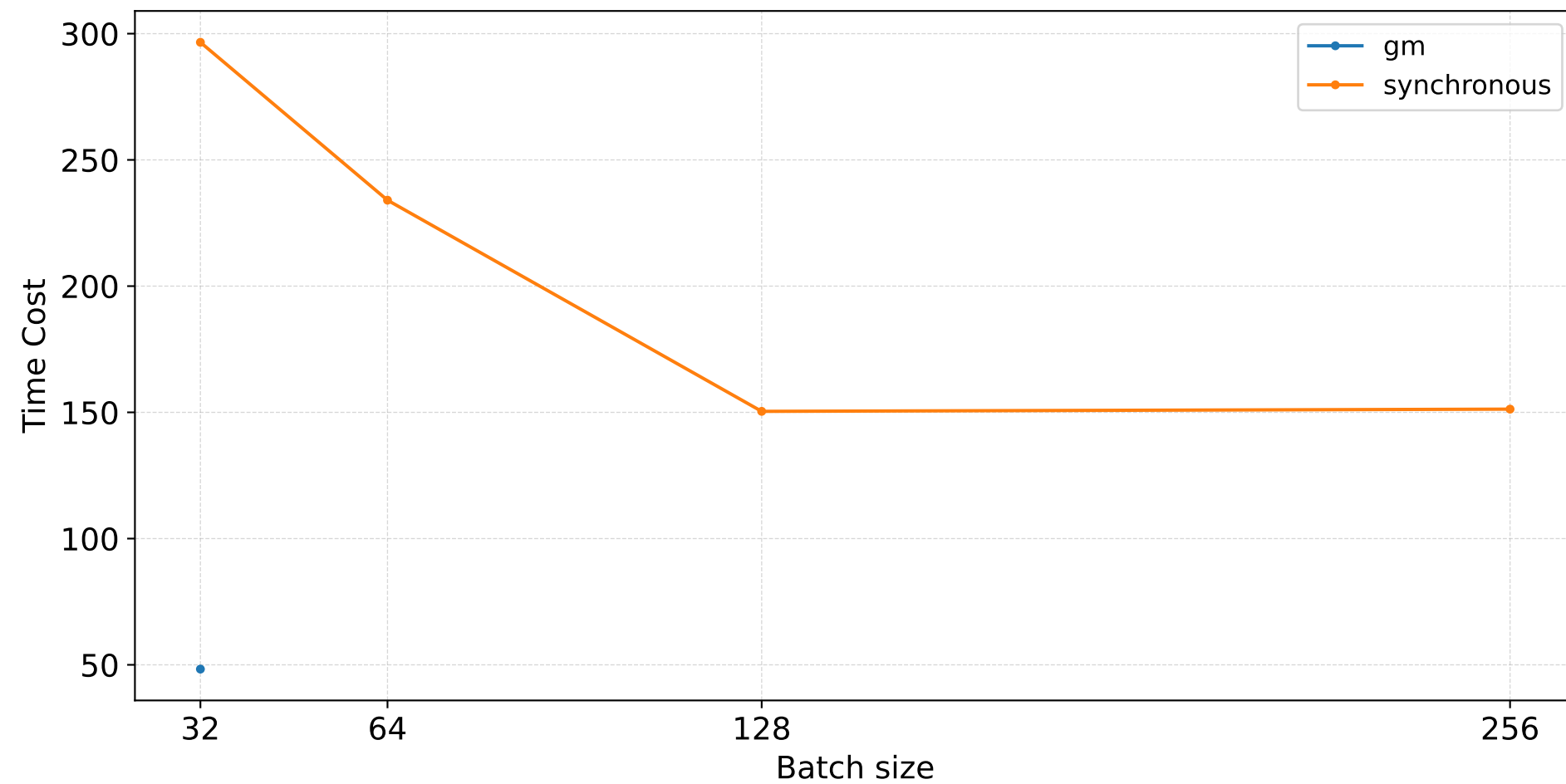
Hypercube Communication Model



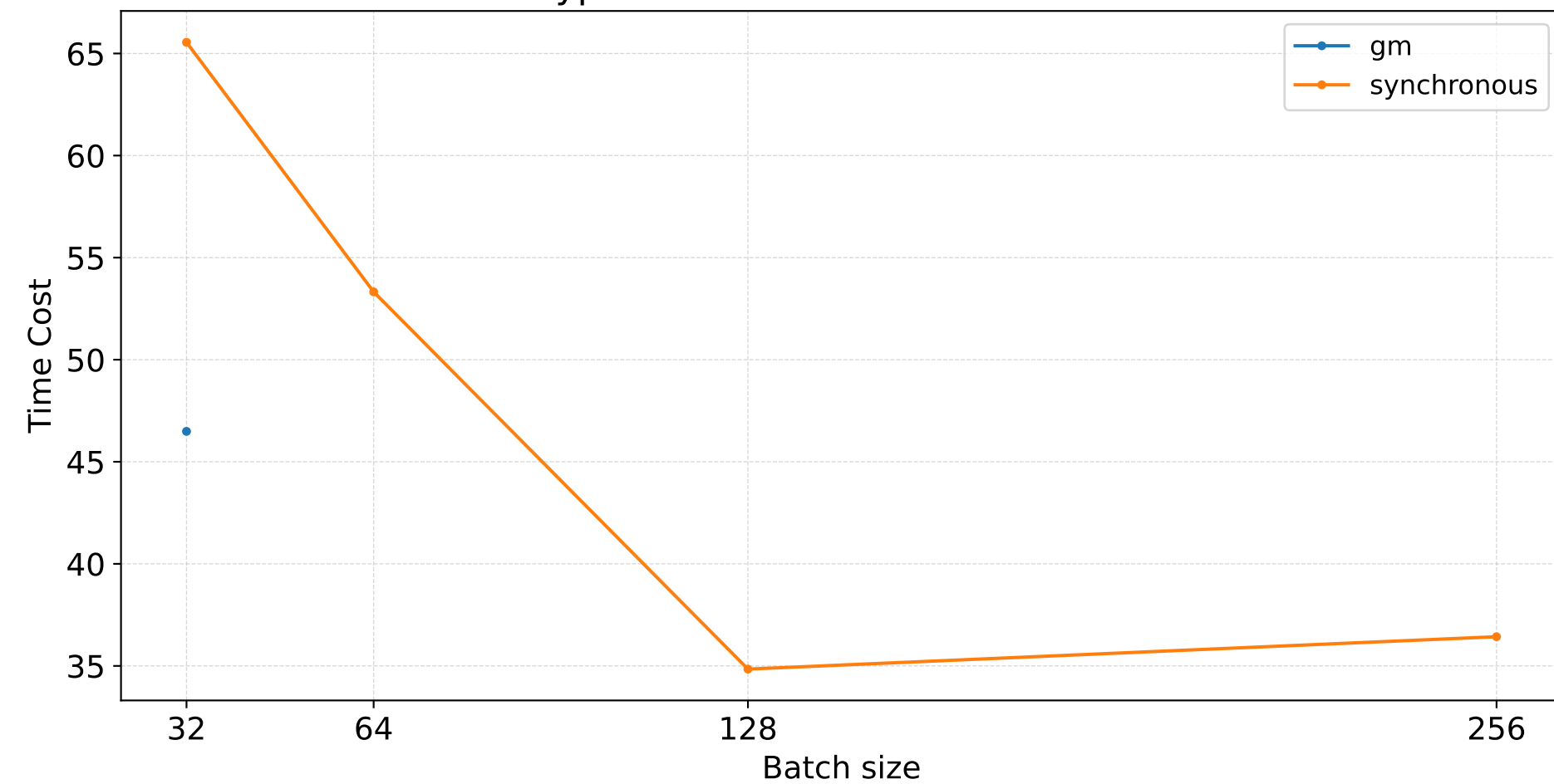


Num Clients : 25 ,  $\Theta$  : 12.0

Common Channel Communication Model

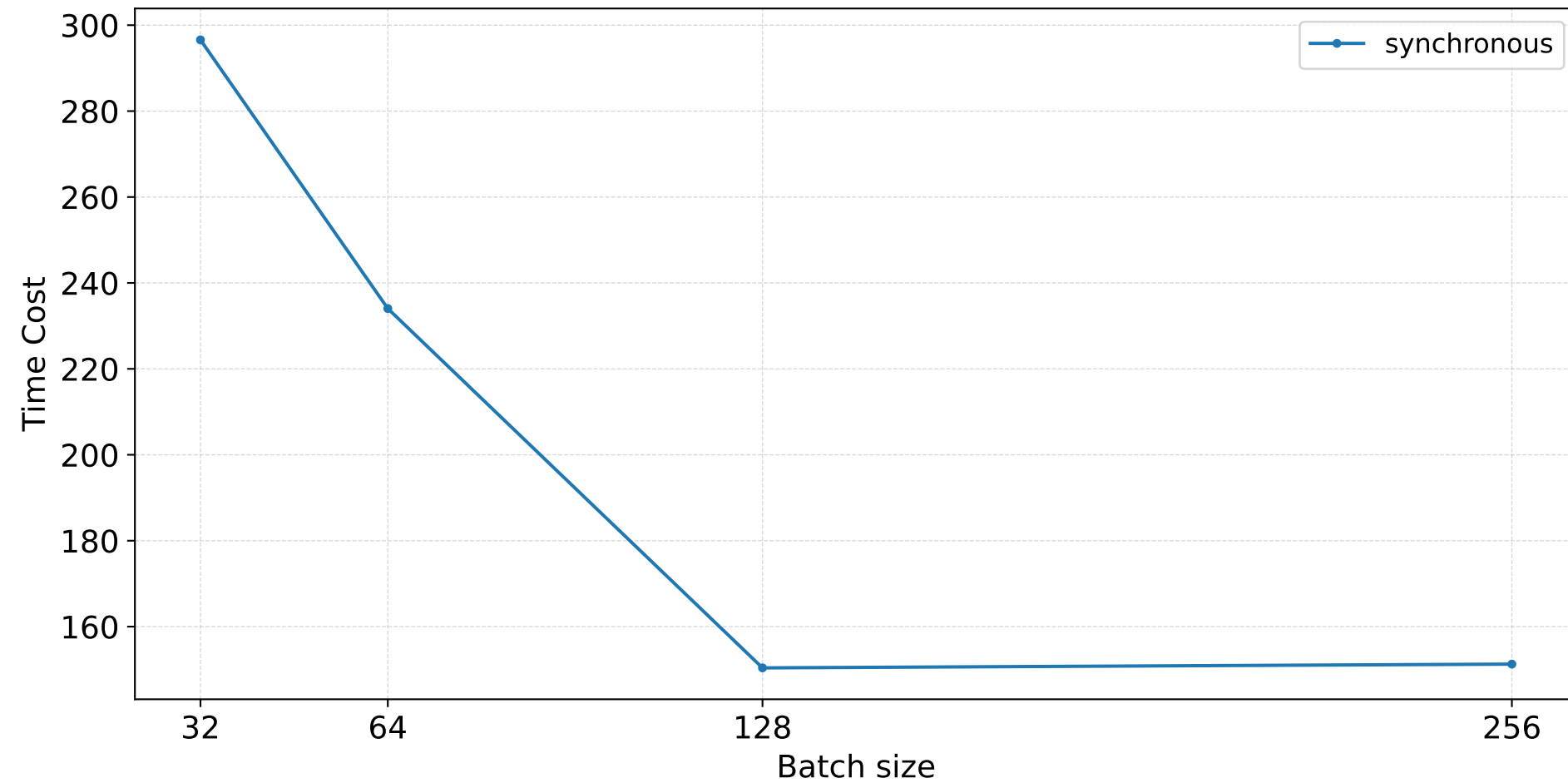


Hypercube Communication Model

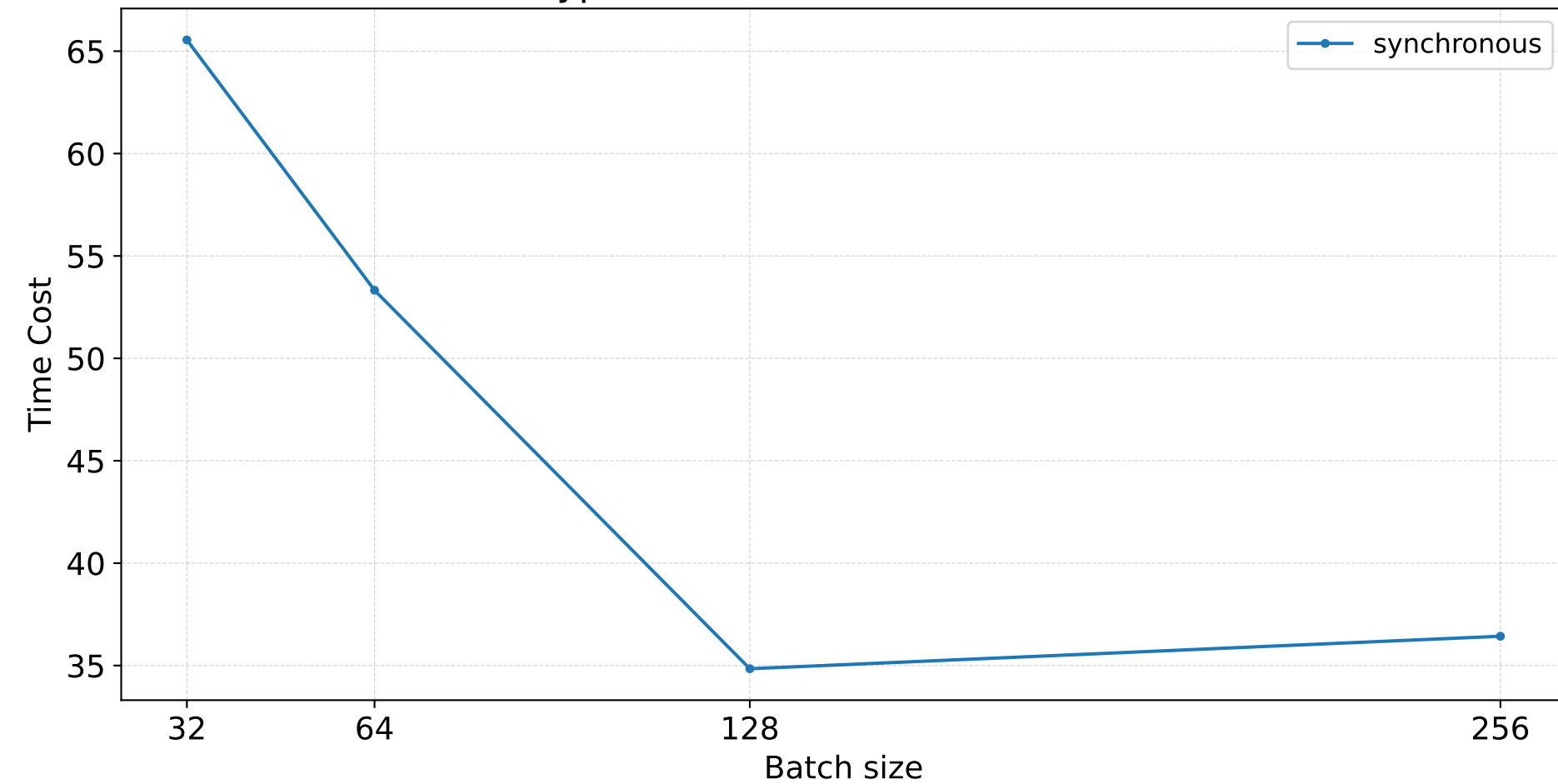


Num Clients : 25 ,  $\Theta$  : 15.0

Common Channel Communication Model

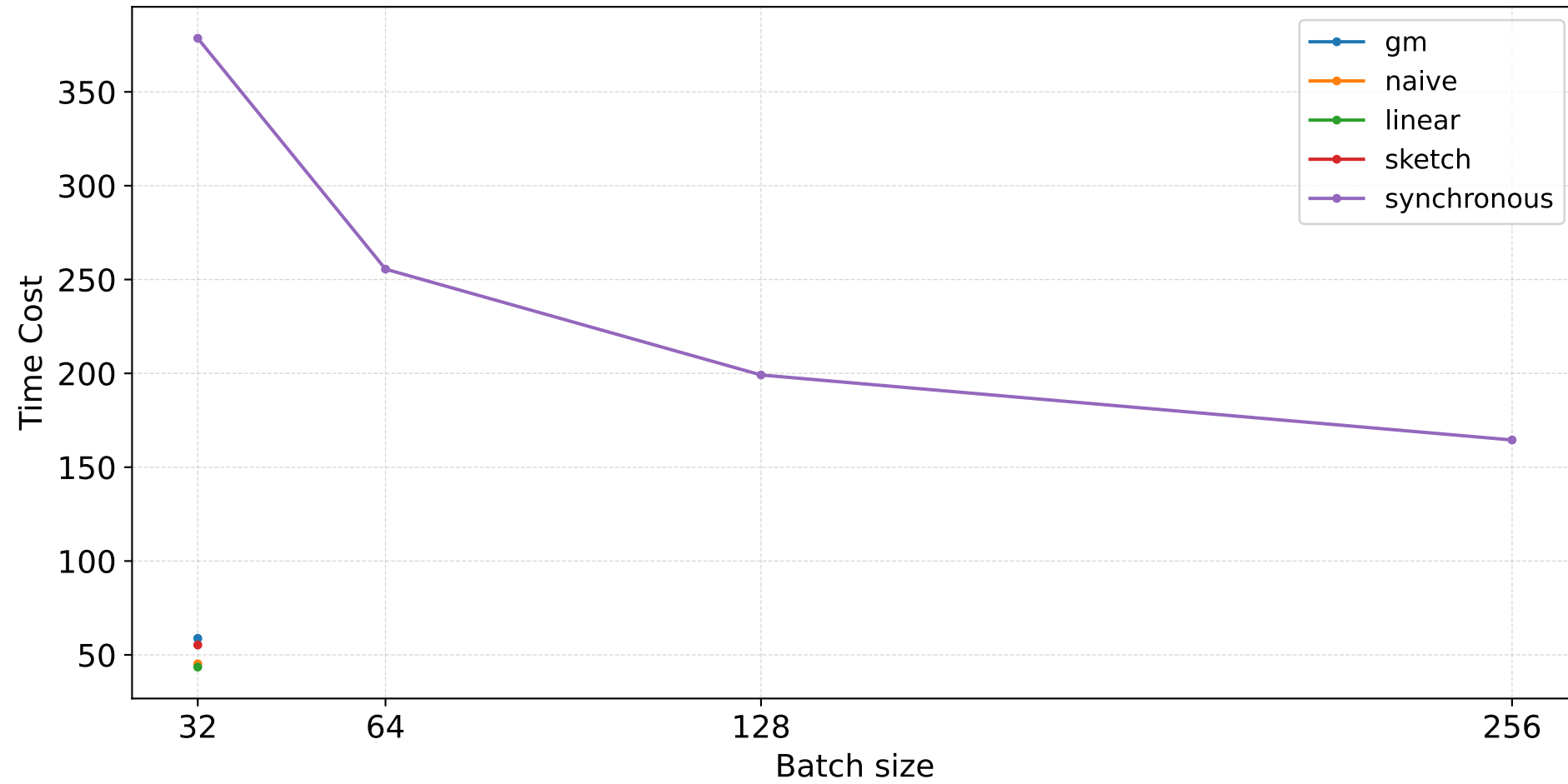


Hypercube Communication Model

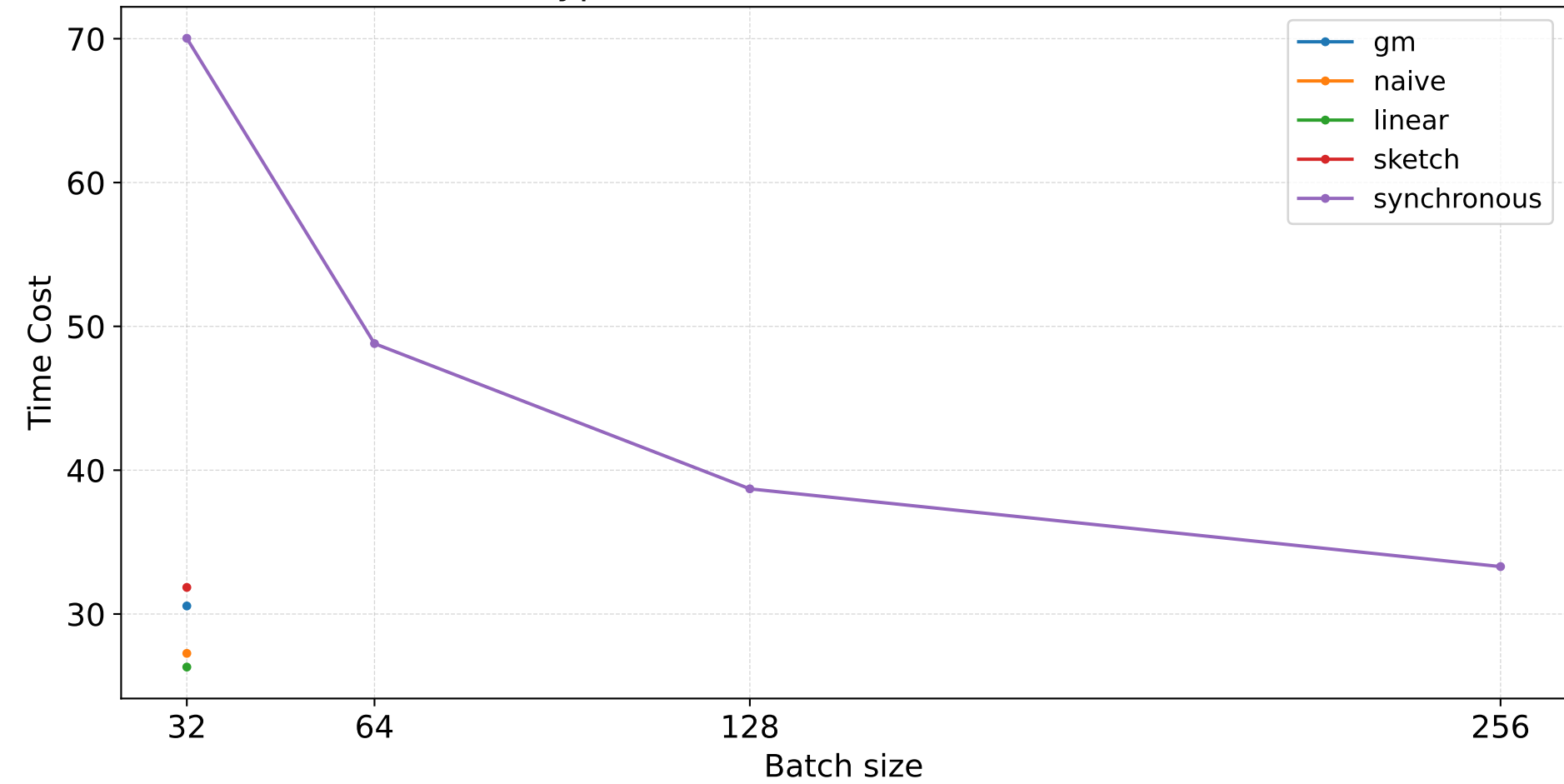


Num Clients : 30 ,  $\Theta$  : 0.5

Common Channel Communication Model

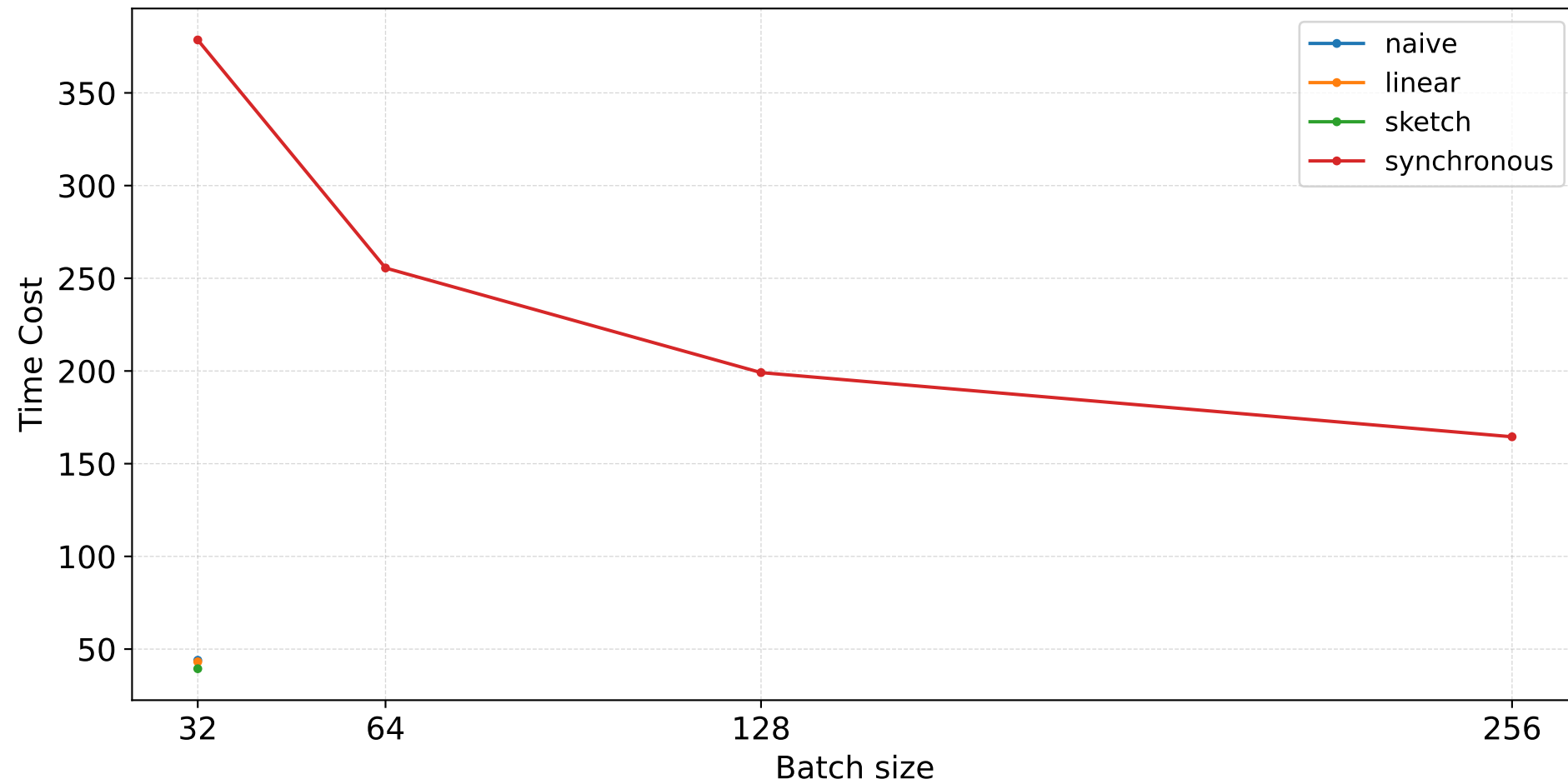


Hypercube Communication Model

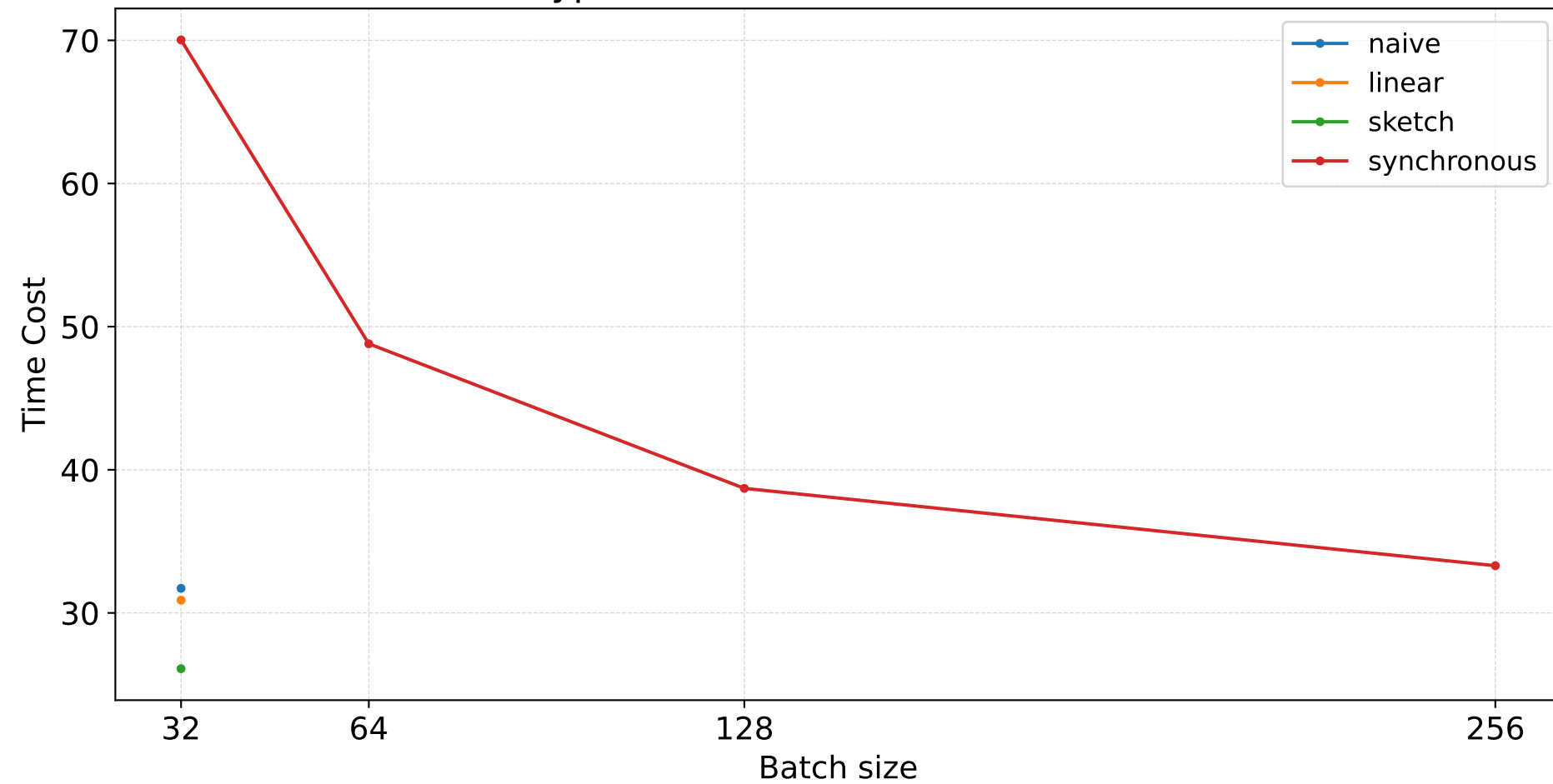


Num Clients : 30 ,  $\Theta$  : 1.0

Common Channel Communication Model

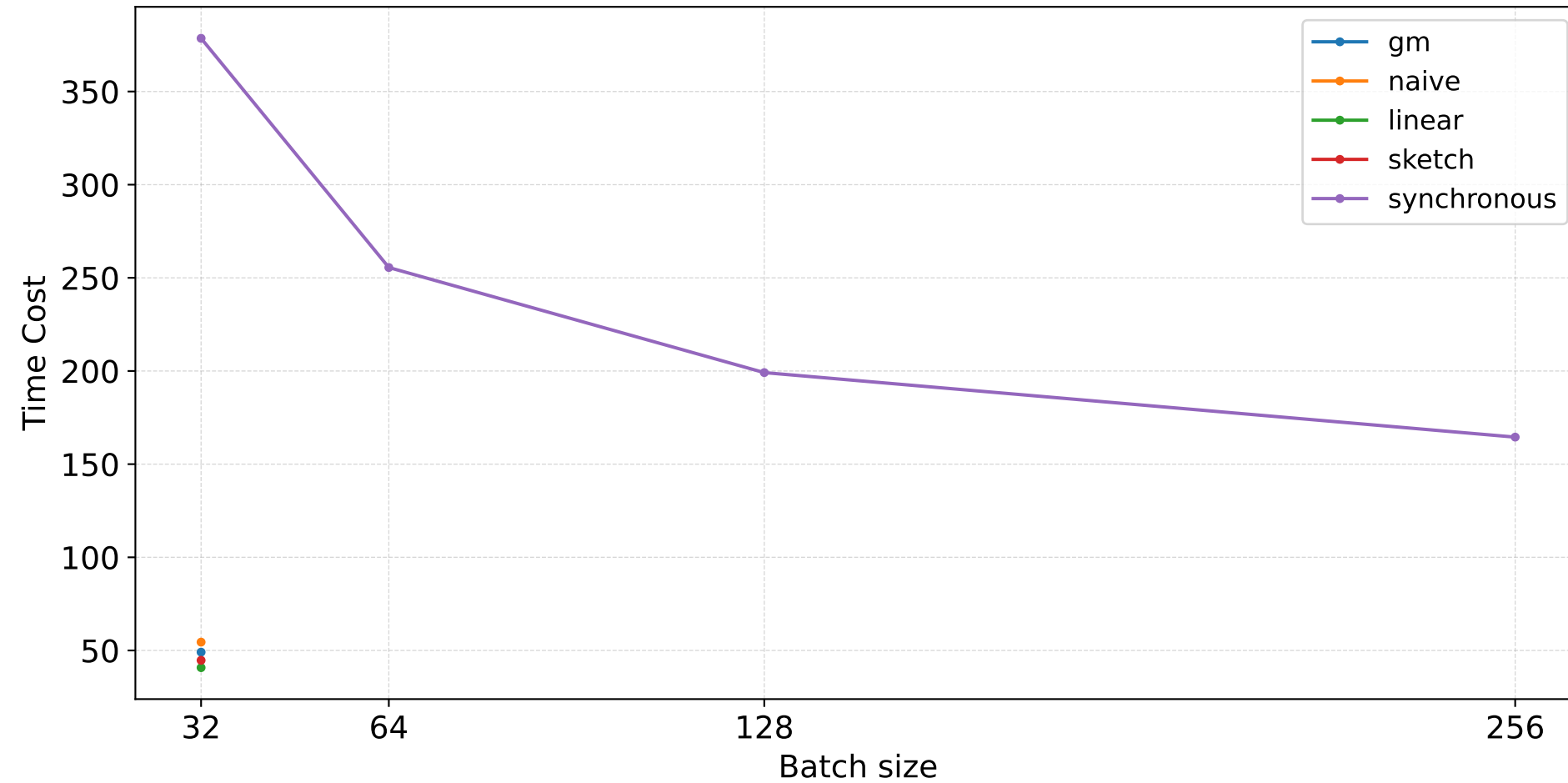


Hypercube Communication Model

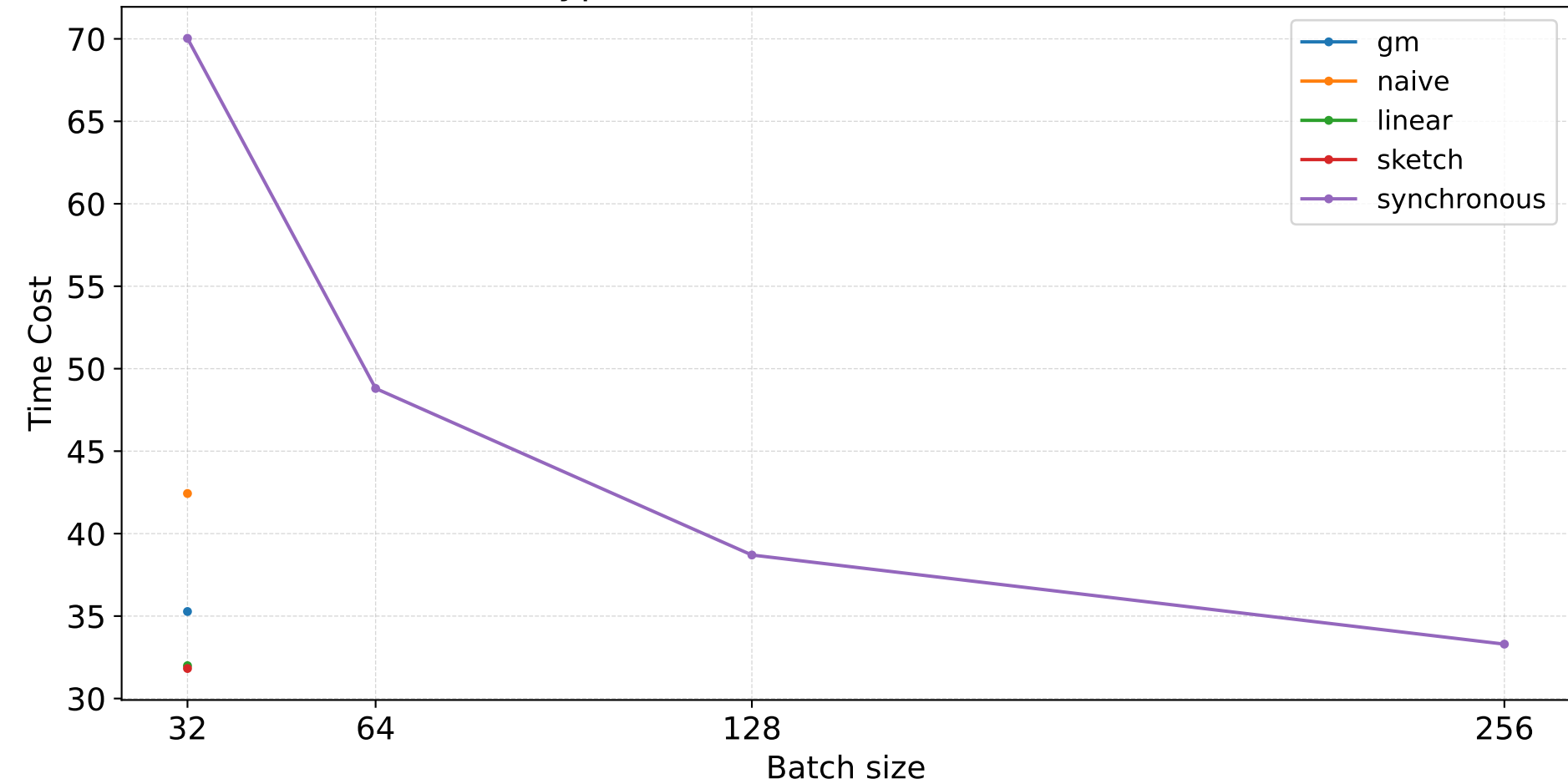


Num Clients : 30 ,  $\Theta$  : 1.5

Common Channel Communication Model

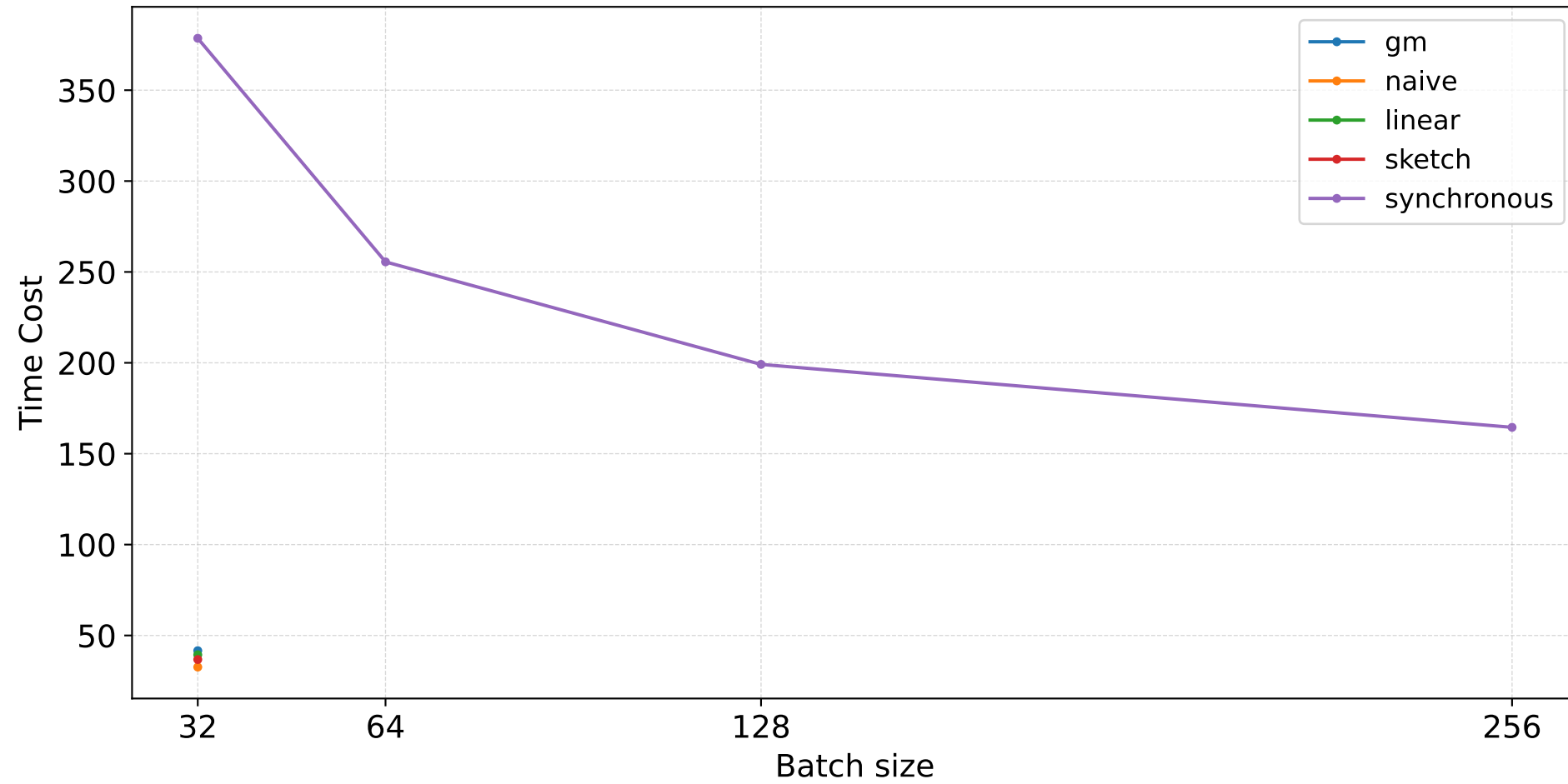


Hypercube Communication Model

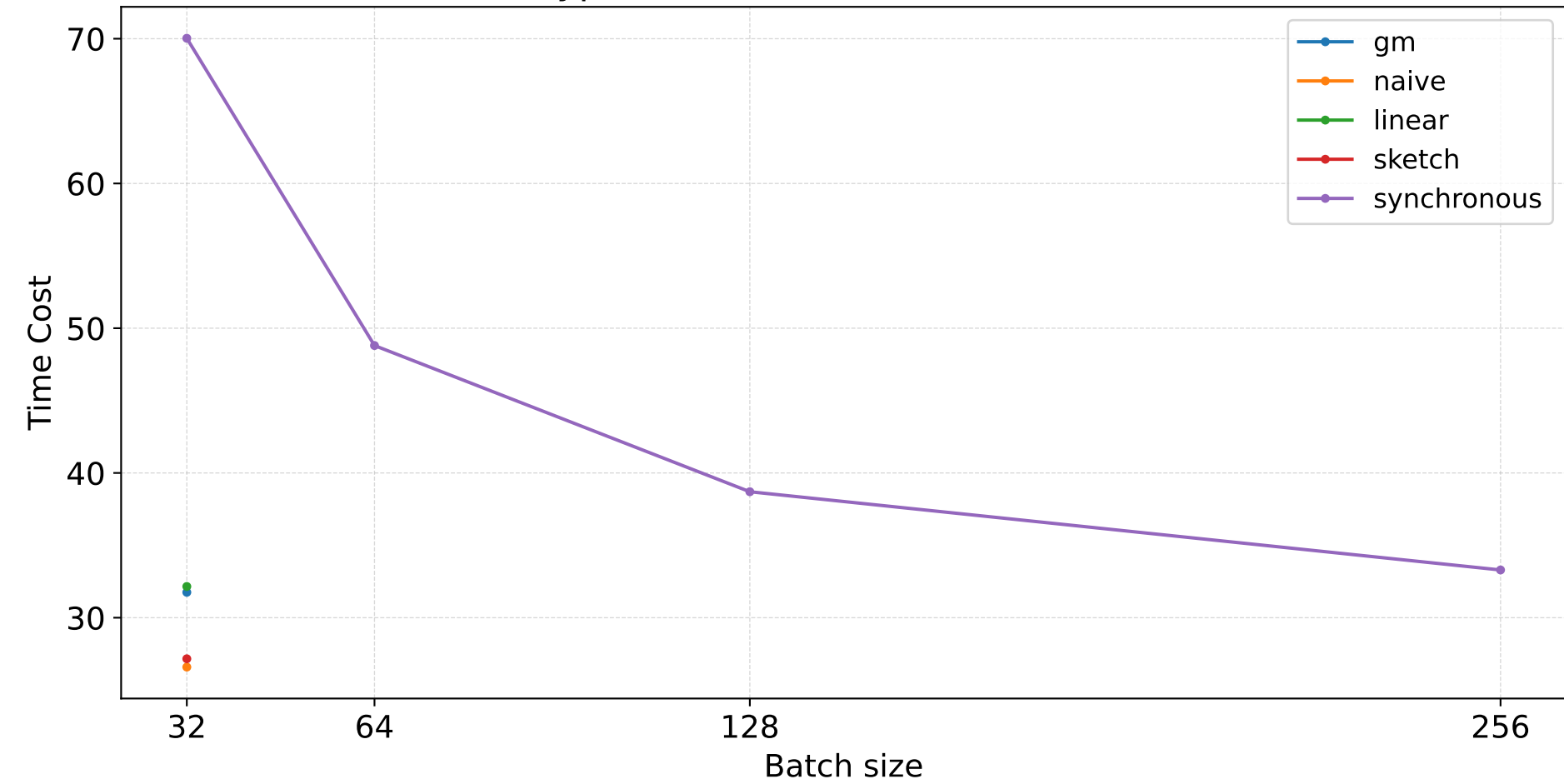


Num Clients : 30 ,  $\Theta$  : 2.0

Common Channel Communication Model

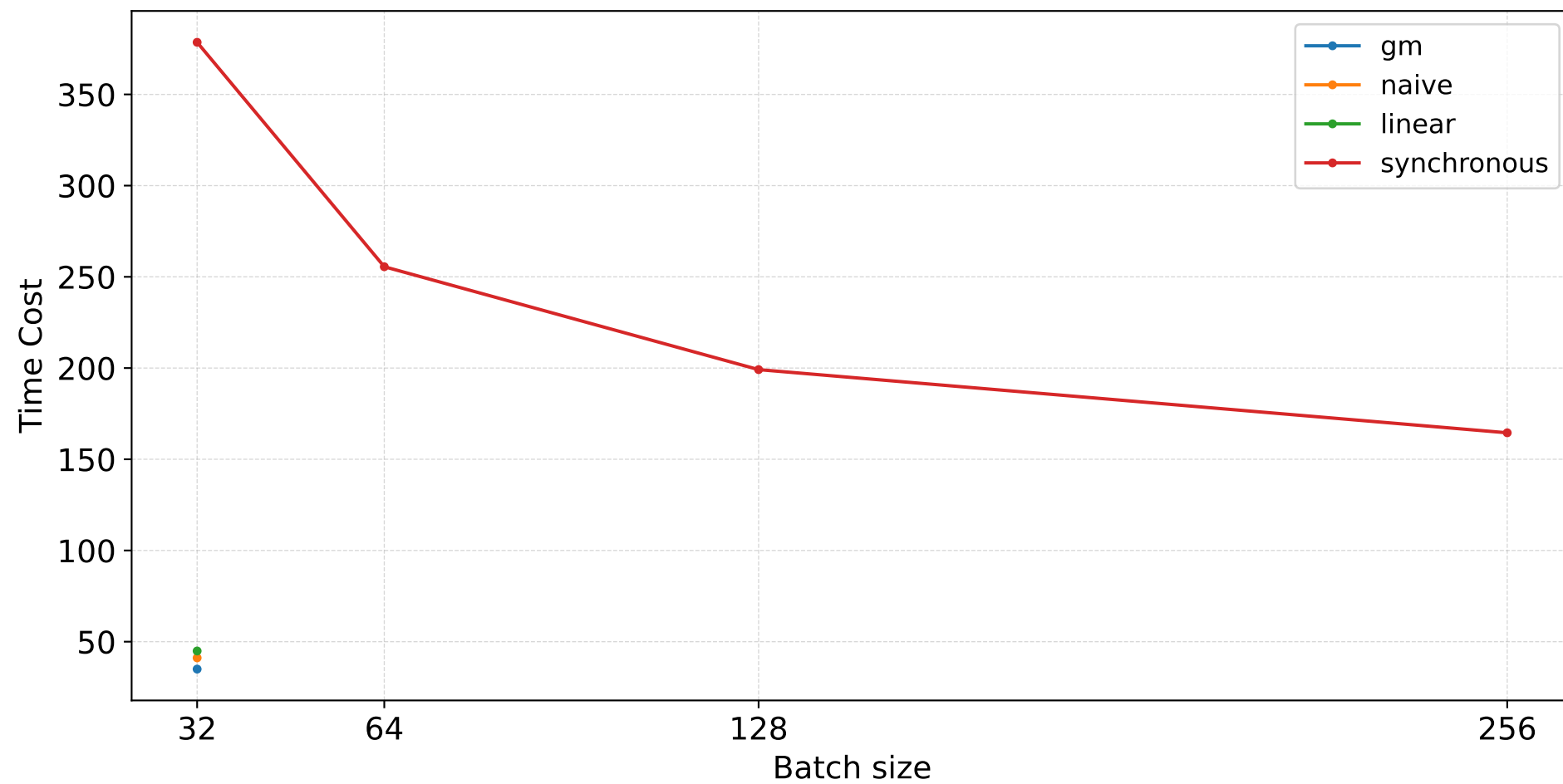


Hypercube Communication Model

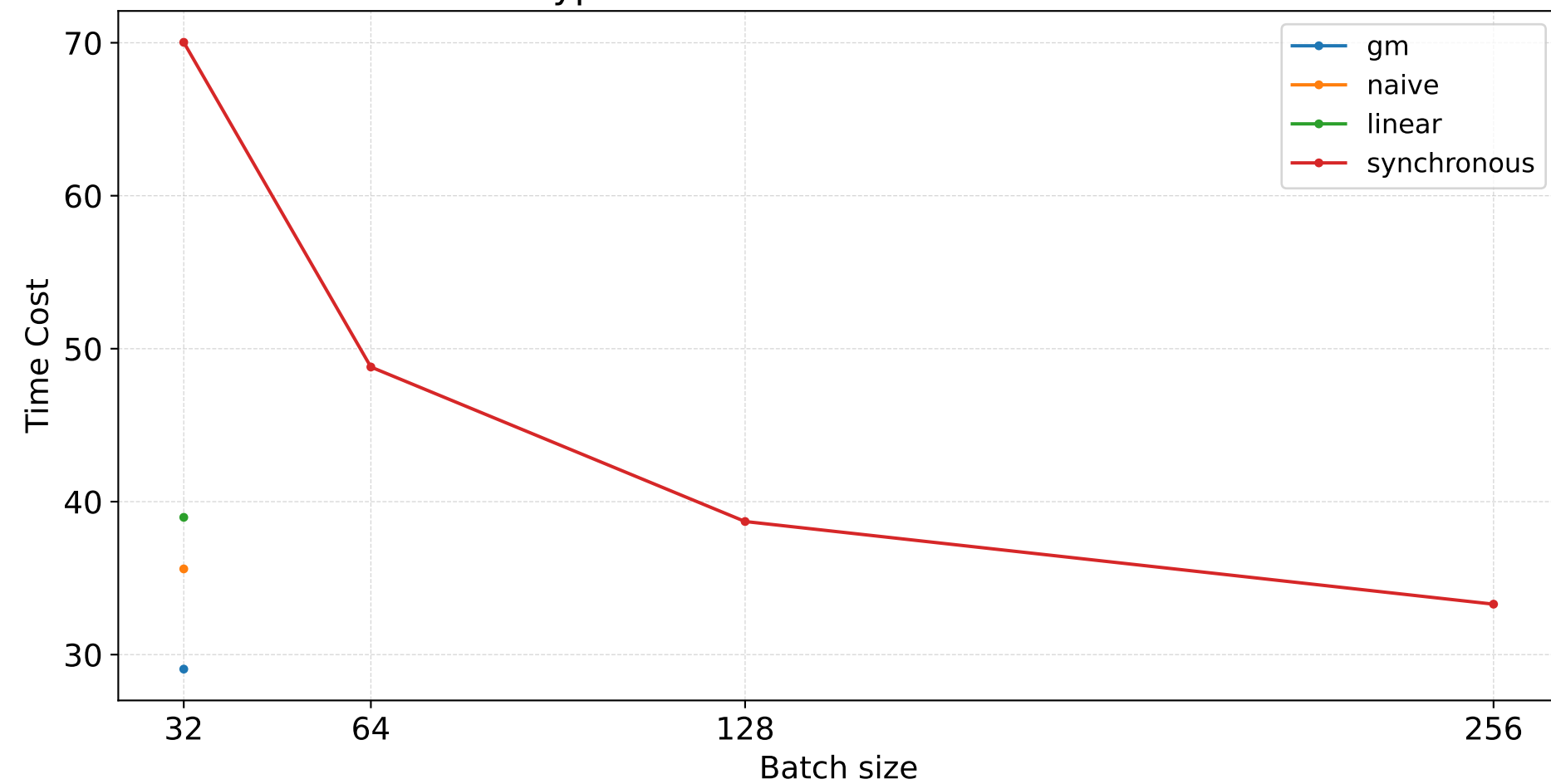


Num Clients : 30 ,  $\Theta$  : 3.0

Common Channel Communication Model

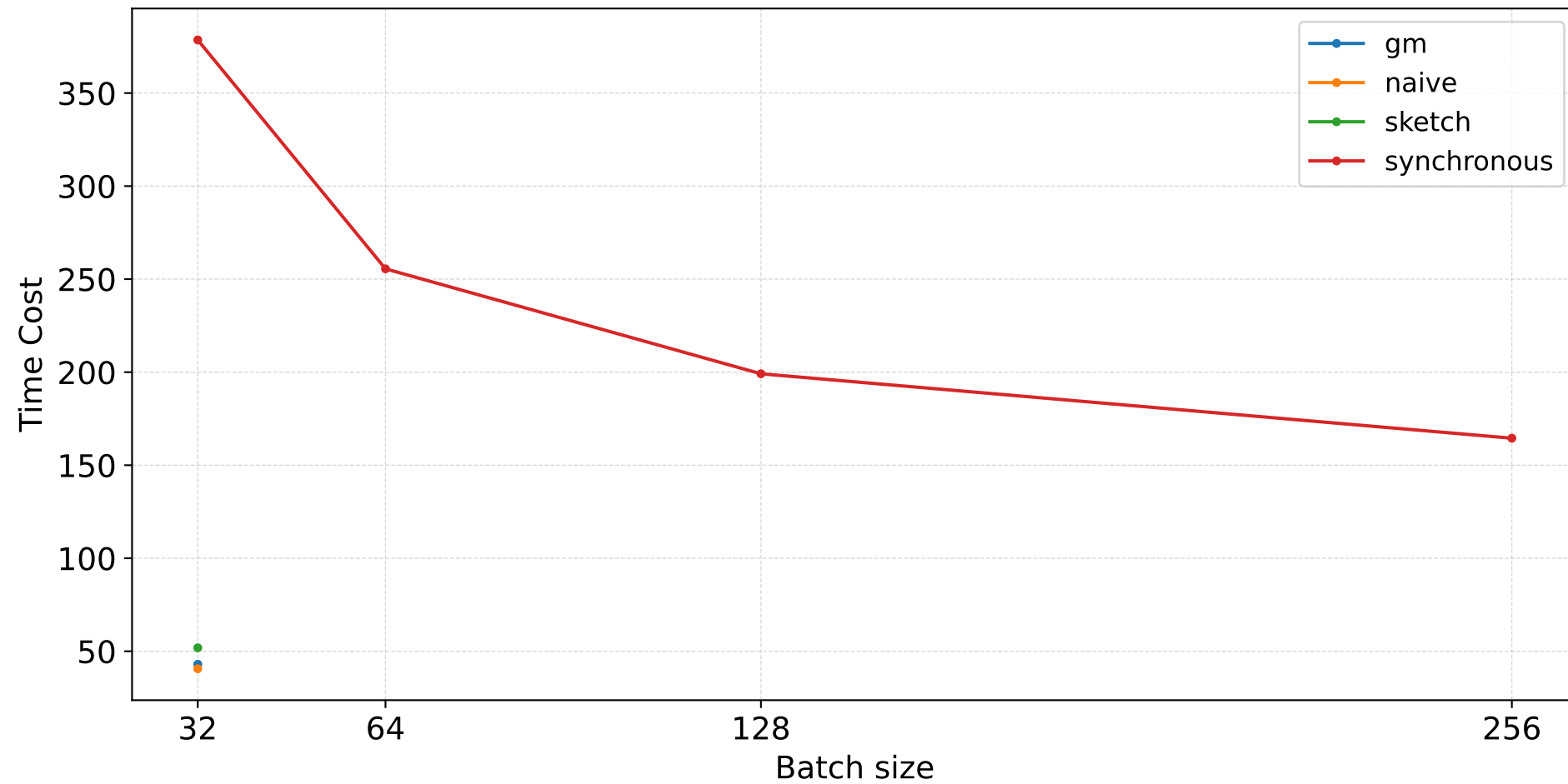


Hypercube Communication Model

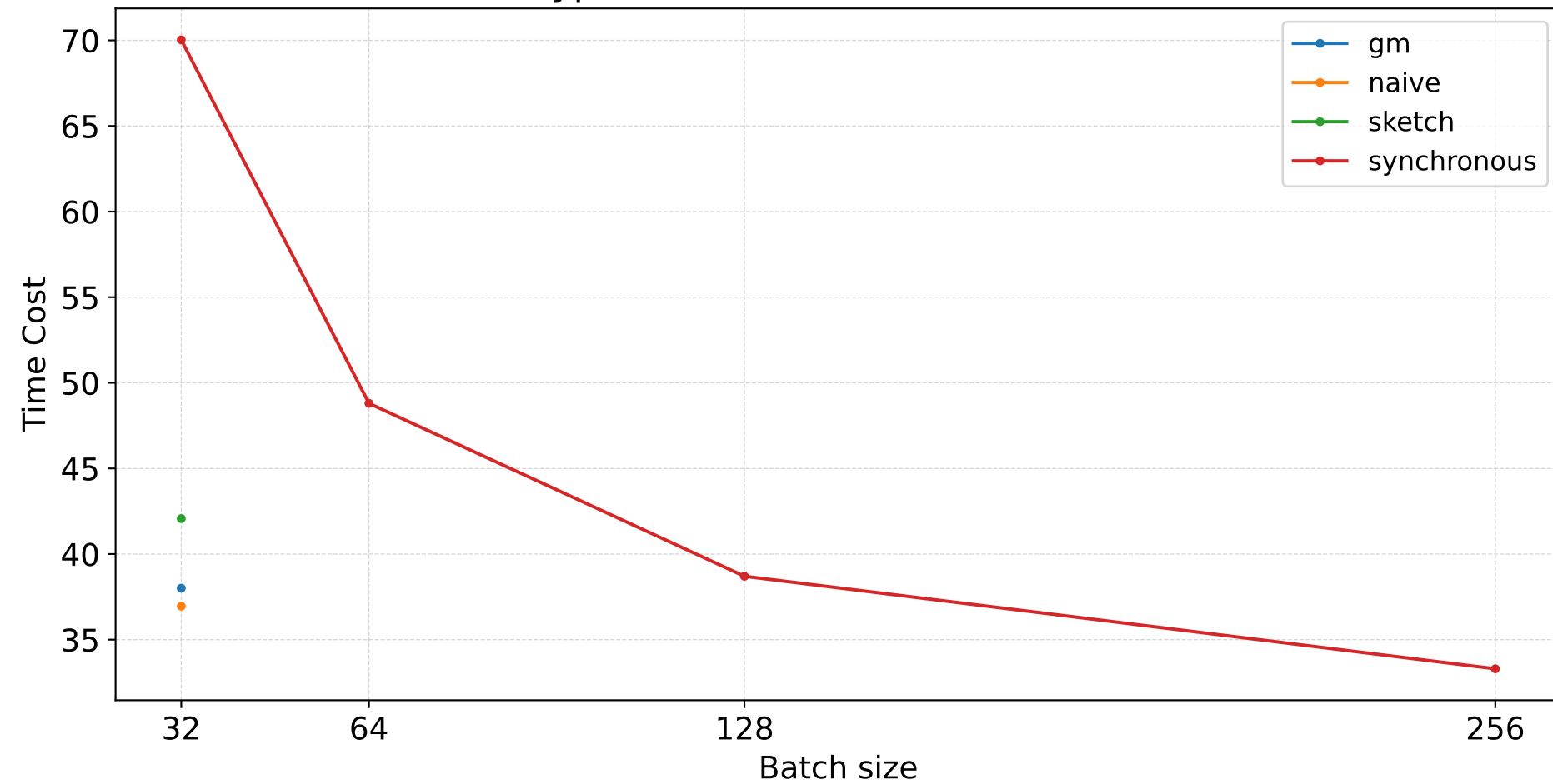


Num Clients : 30 ,  $\Theta$  : 5.0

Common Channel Communication Model



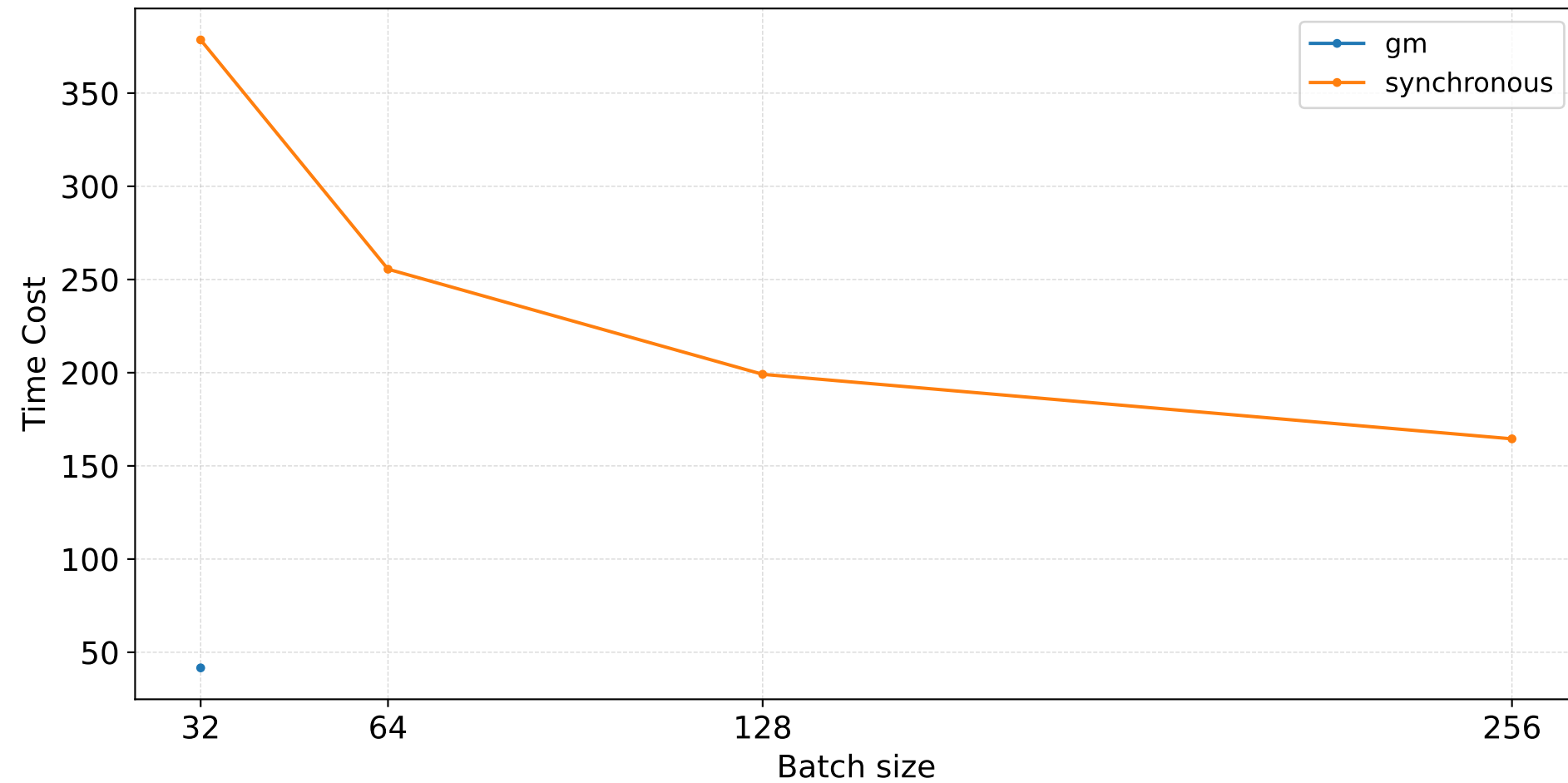
Hypercube Communication Model



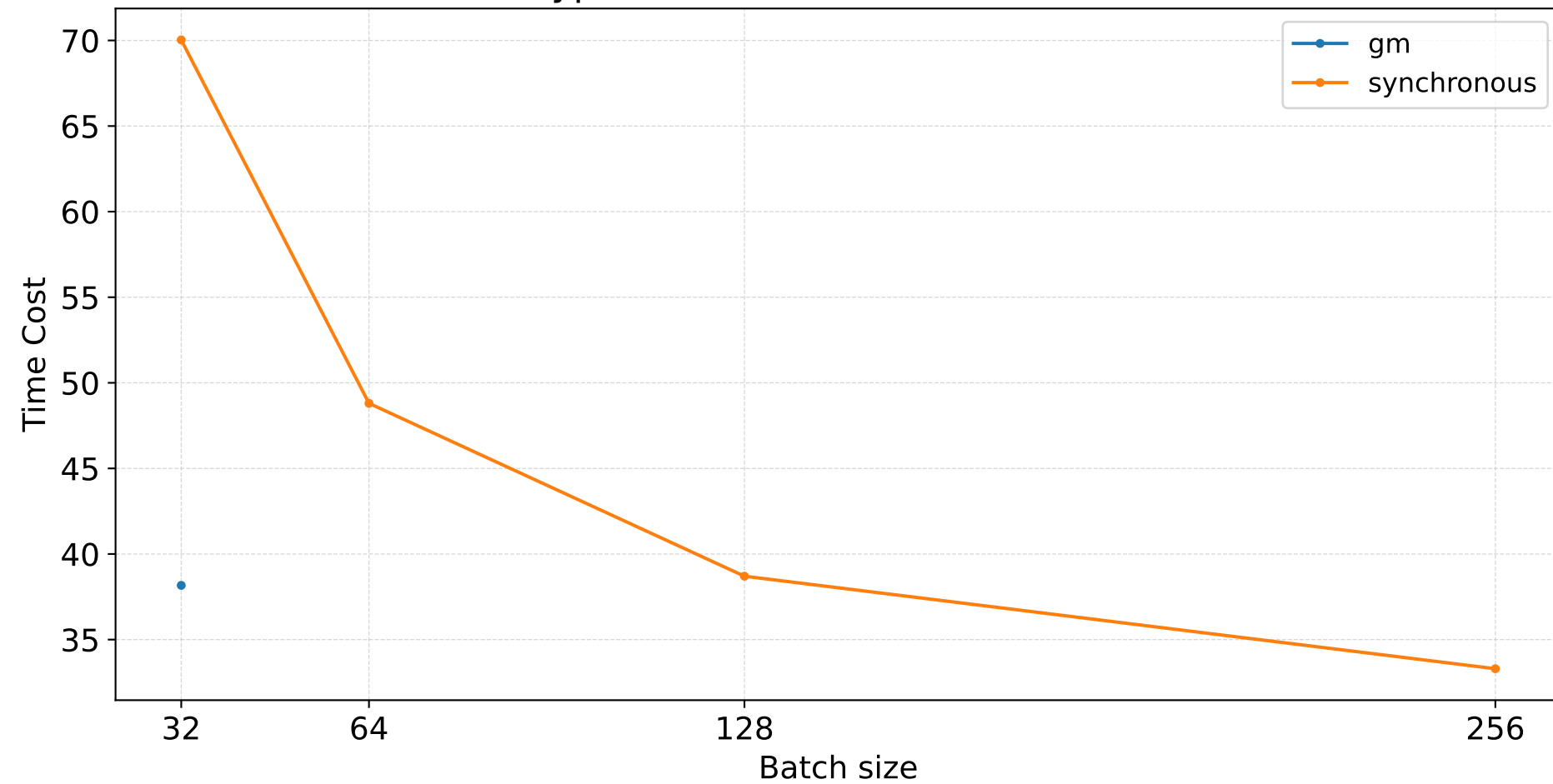


Num Clients : 30 ,  $\Theta$  : 7.0

Common Channel Communication Model

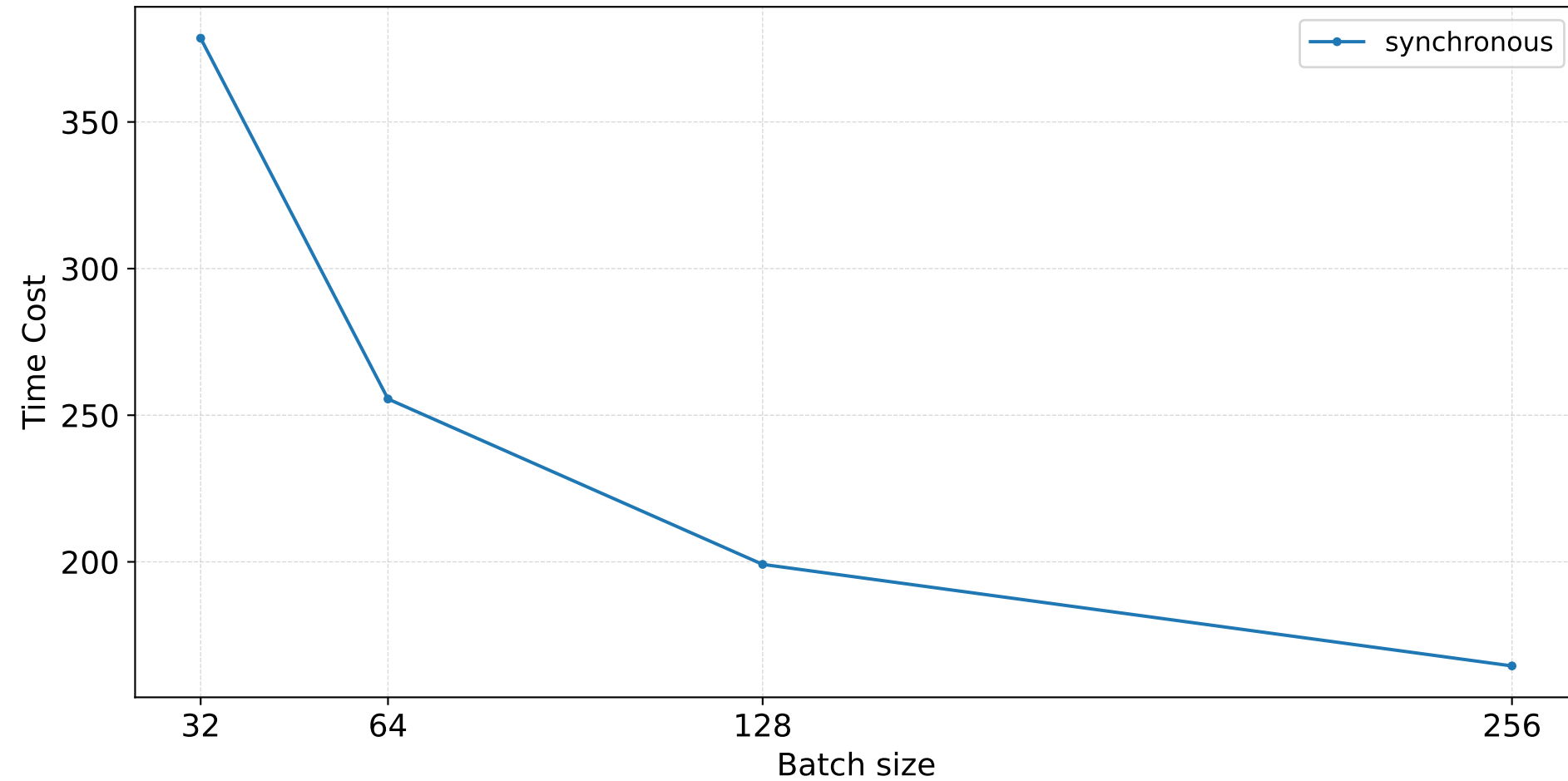


Hypercube Communication Model

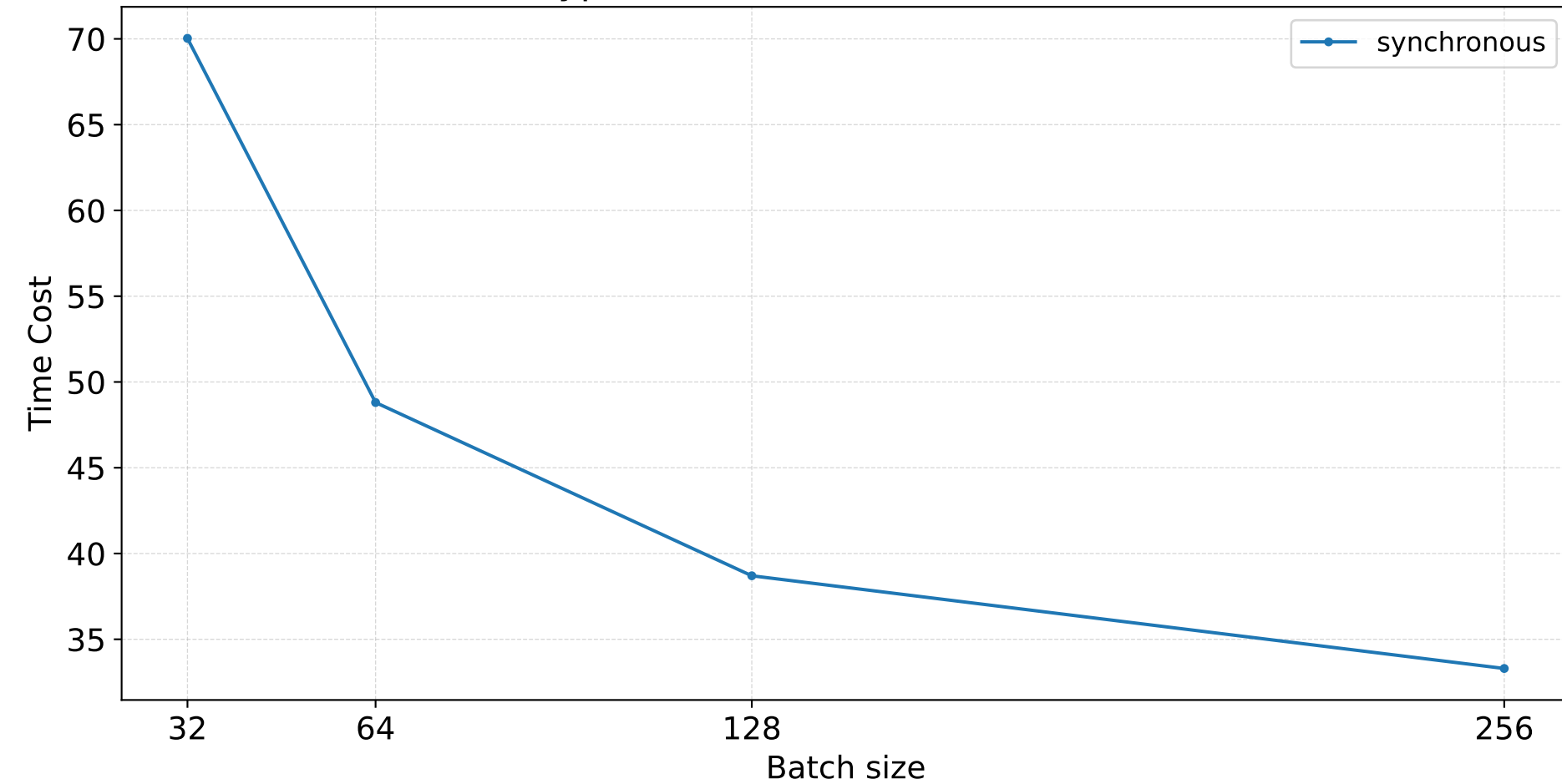


Num Clients : 30 ,  $\Theta$  : 10.0

Common Channel Communication Model

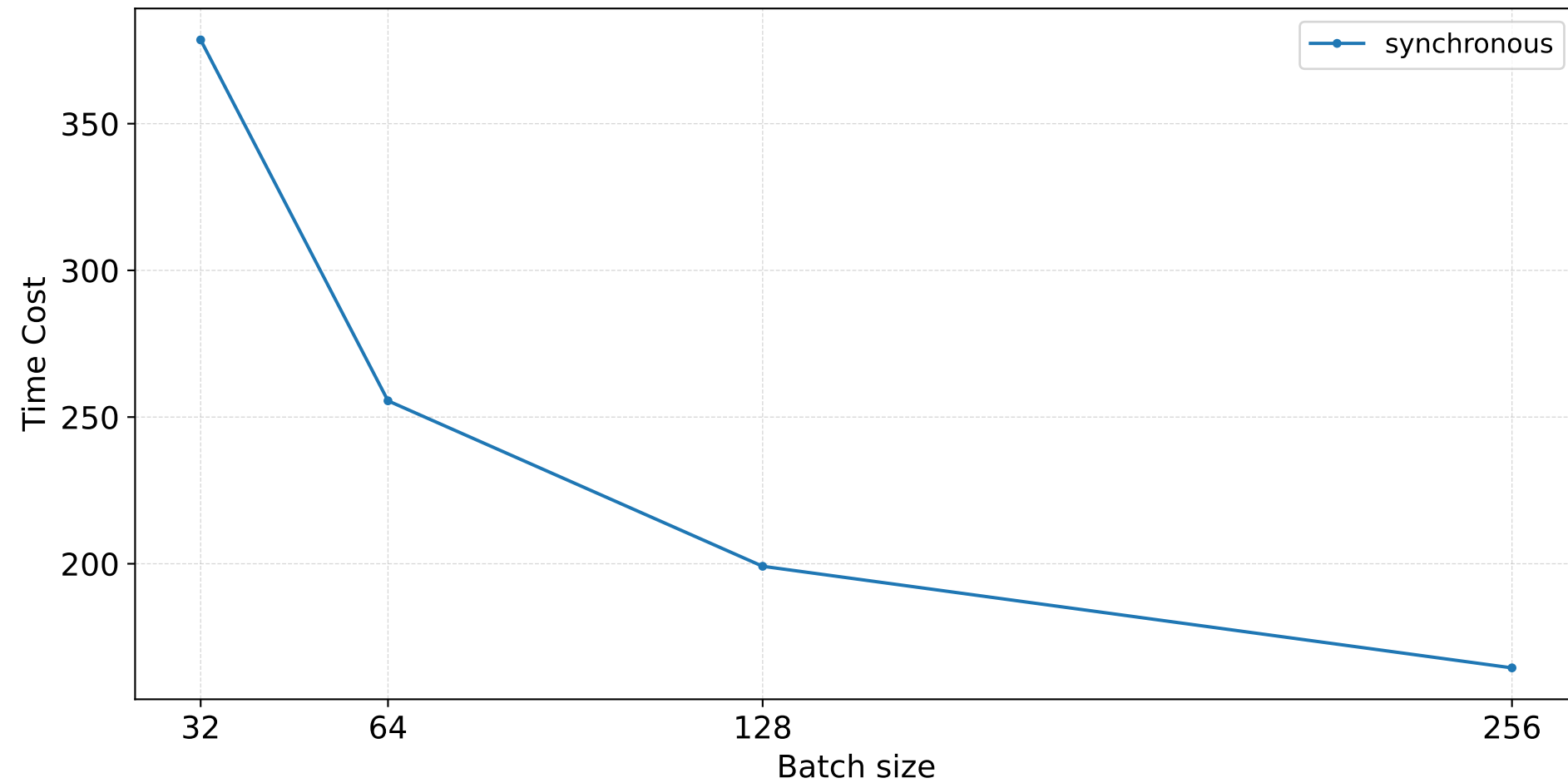


Hypercube Communication Model

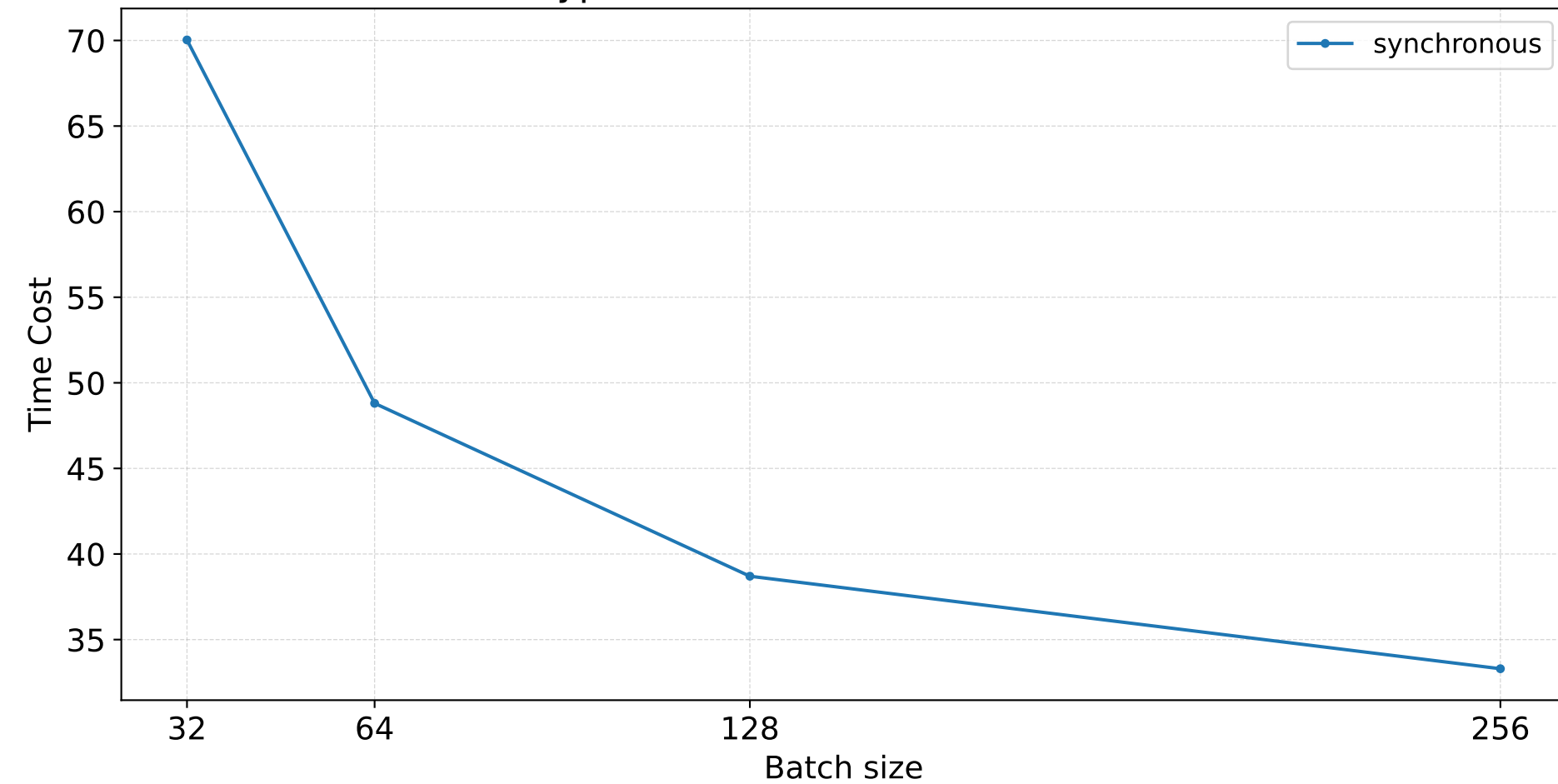


Num Clients : 30 ,  $\Theta$  : 12.0

Common Channel Communication Model

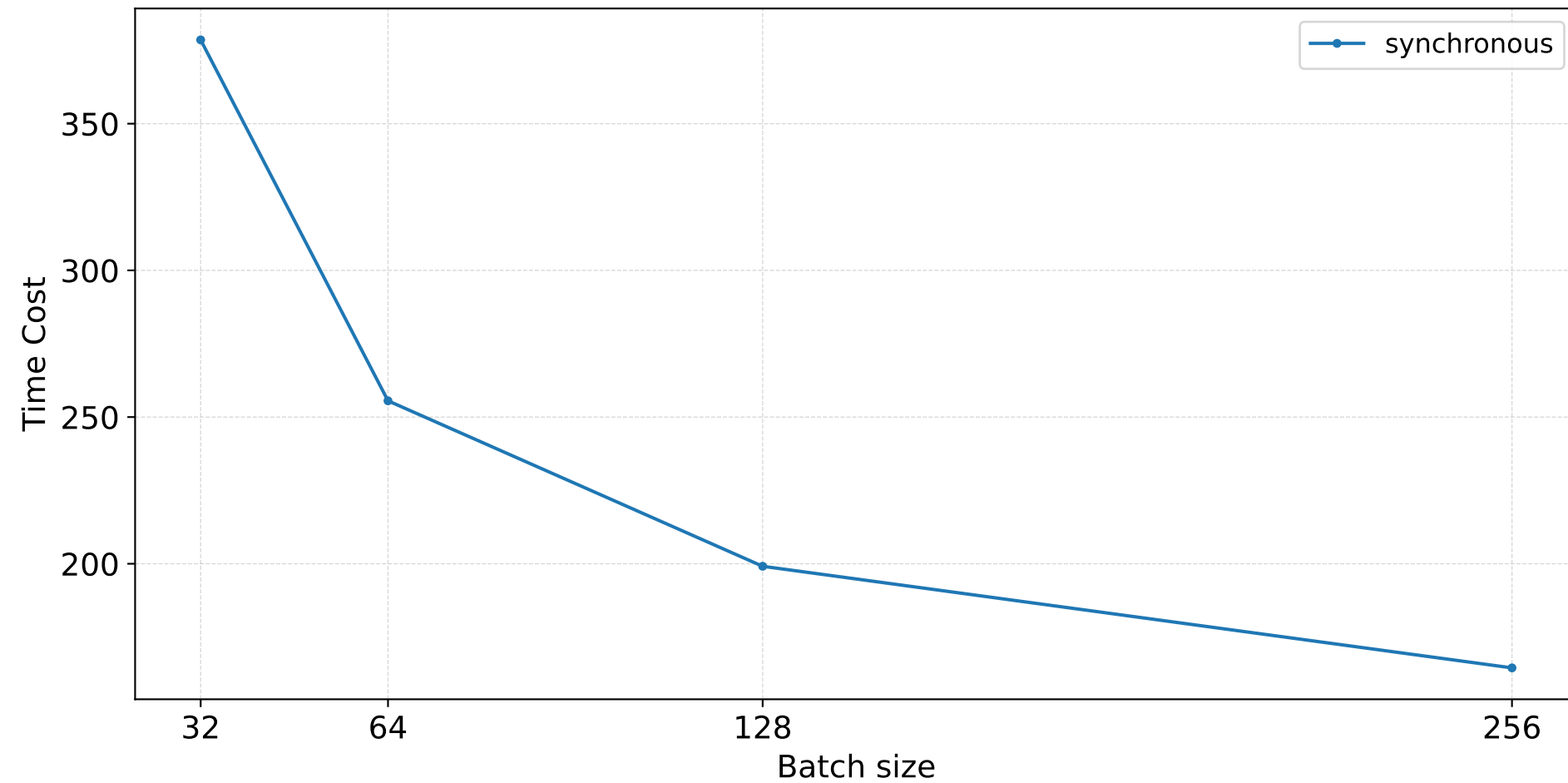


Hypercube Communication Model

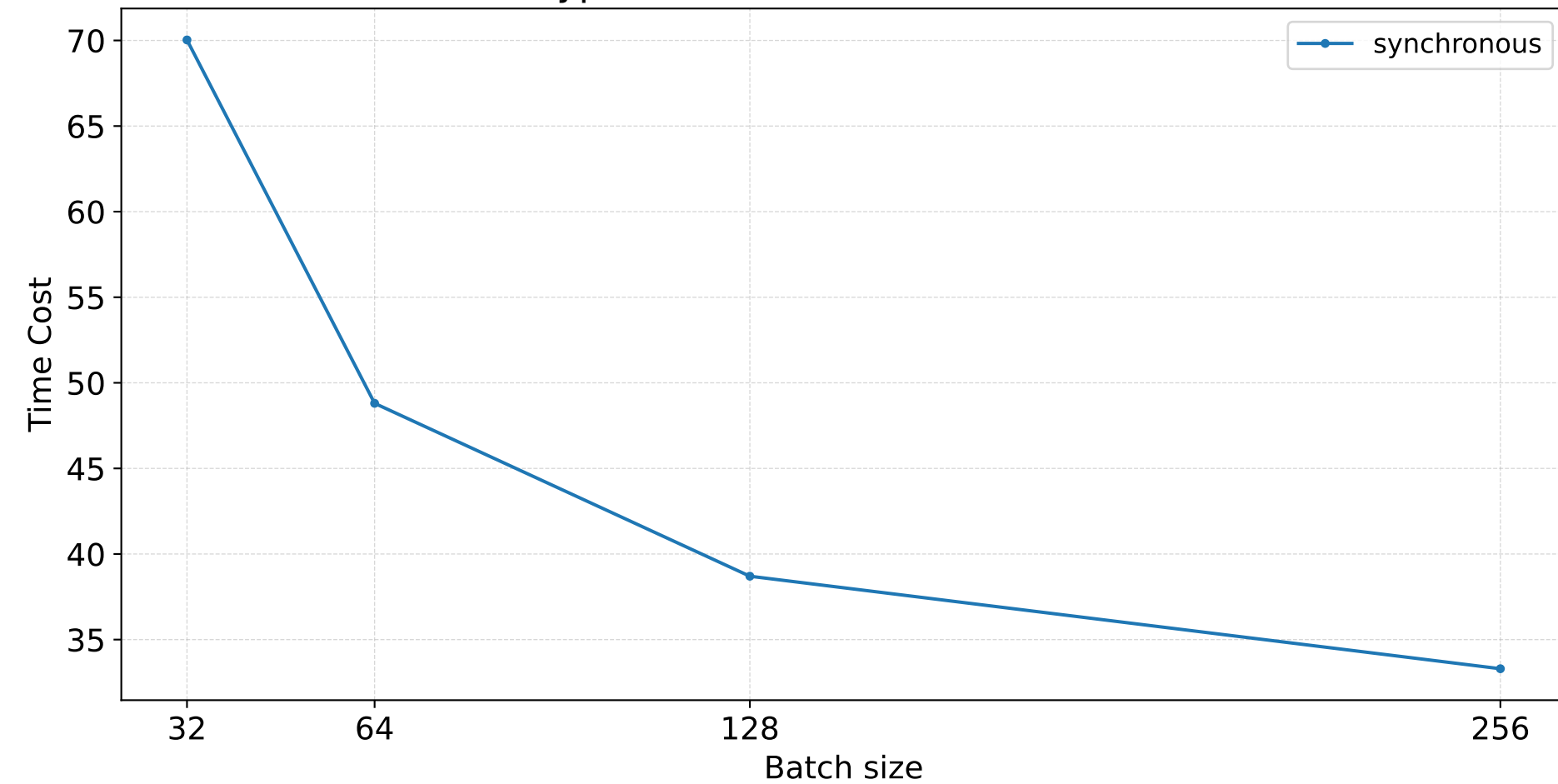


Num Clients : 30 ,  $\Theta$  : 15.0

Common Channel Communication Model

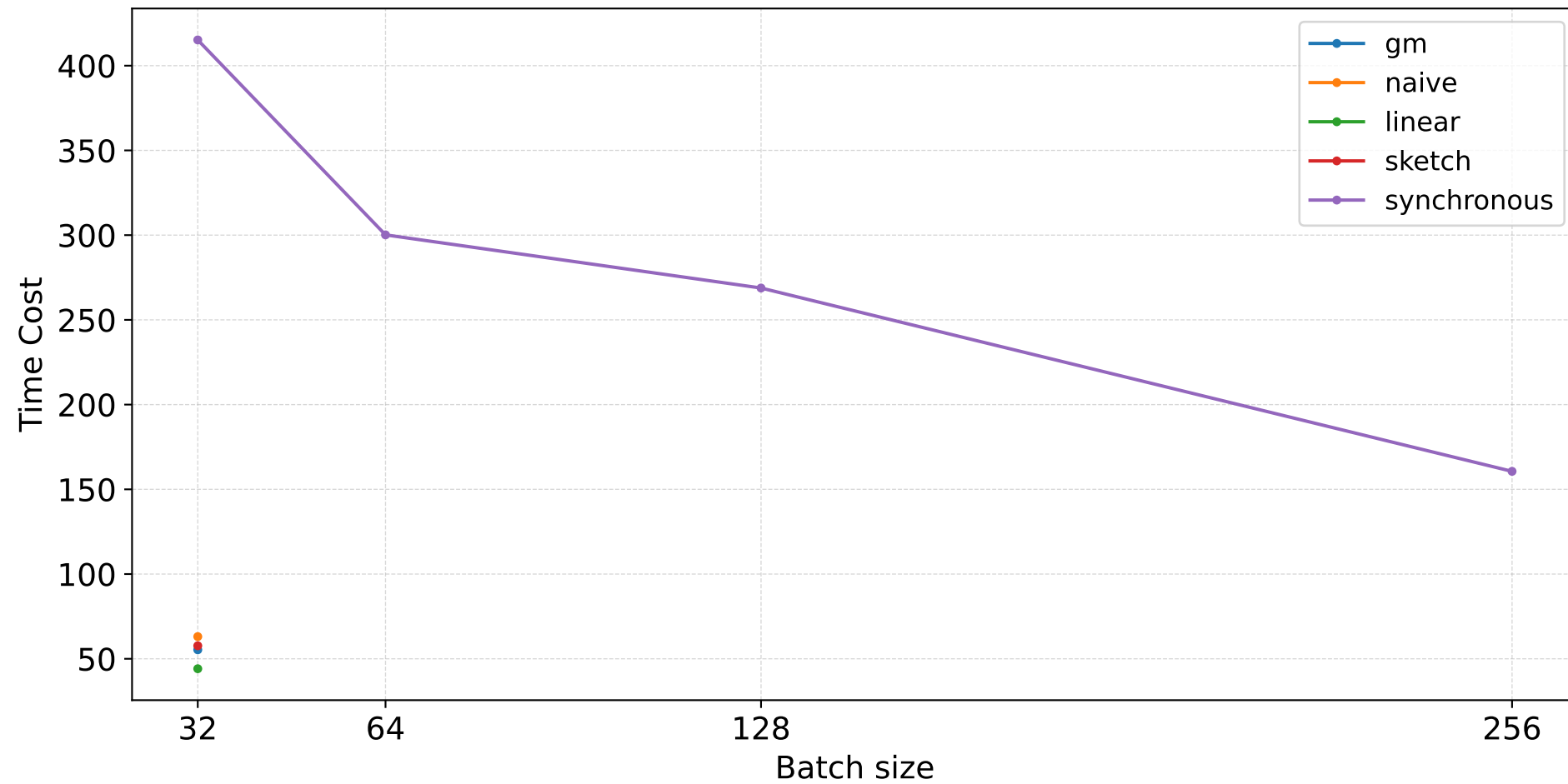


Hypercube Communication Model

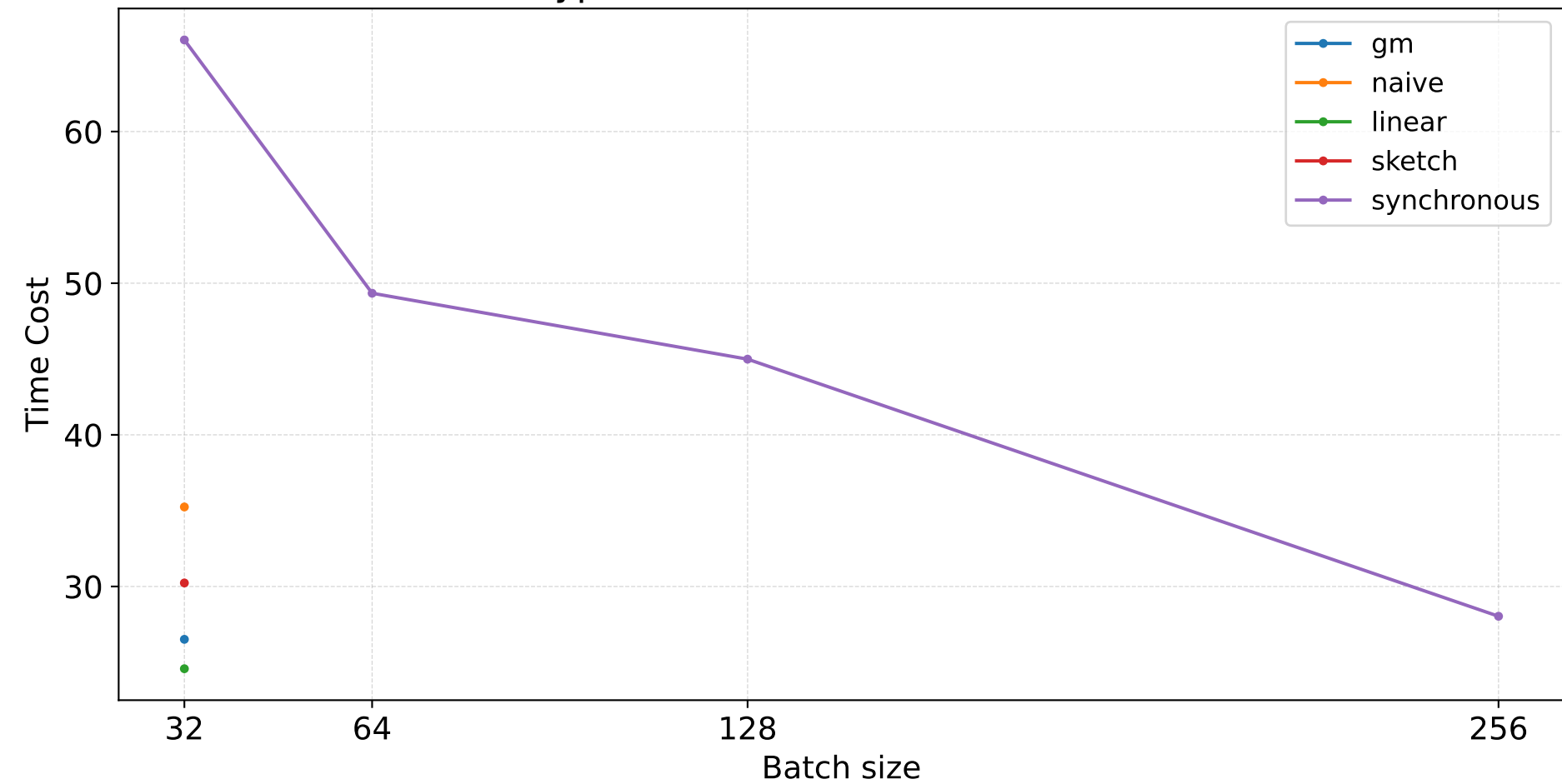


Num Clients : 35 ,  $\Theta$  : 0.5

Common Channel Communication Model

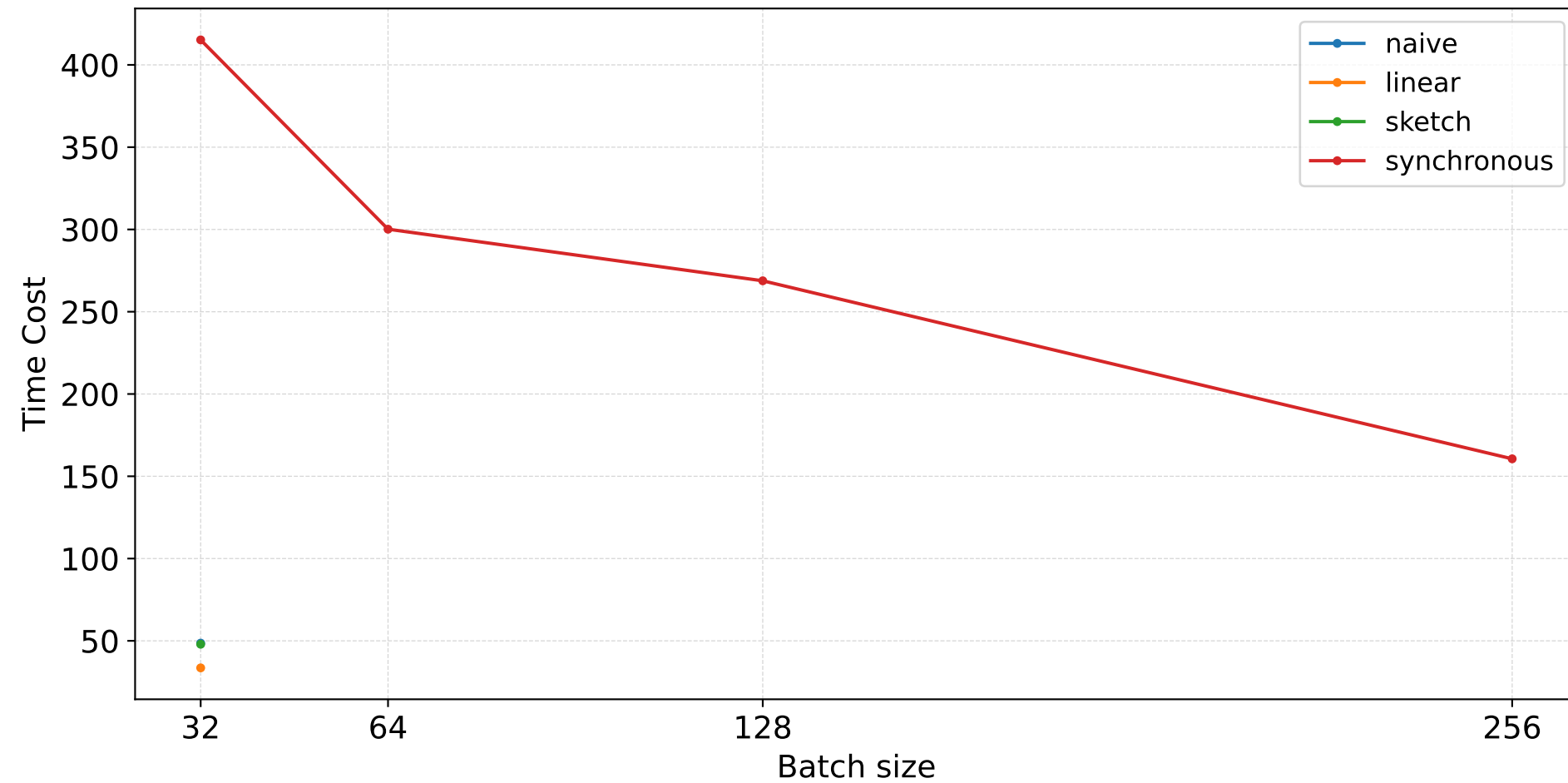


Hypercube Communication Model

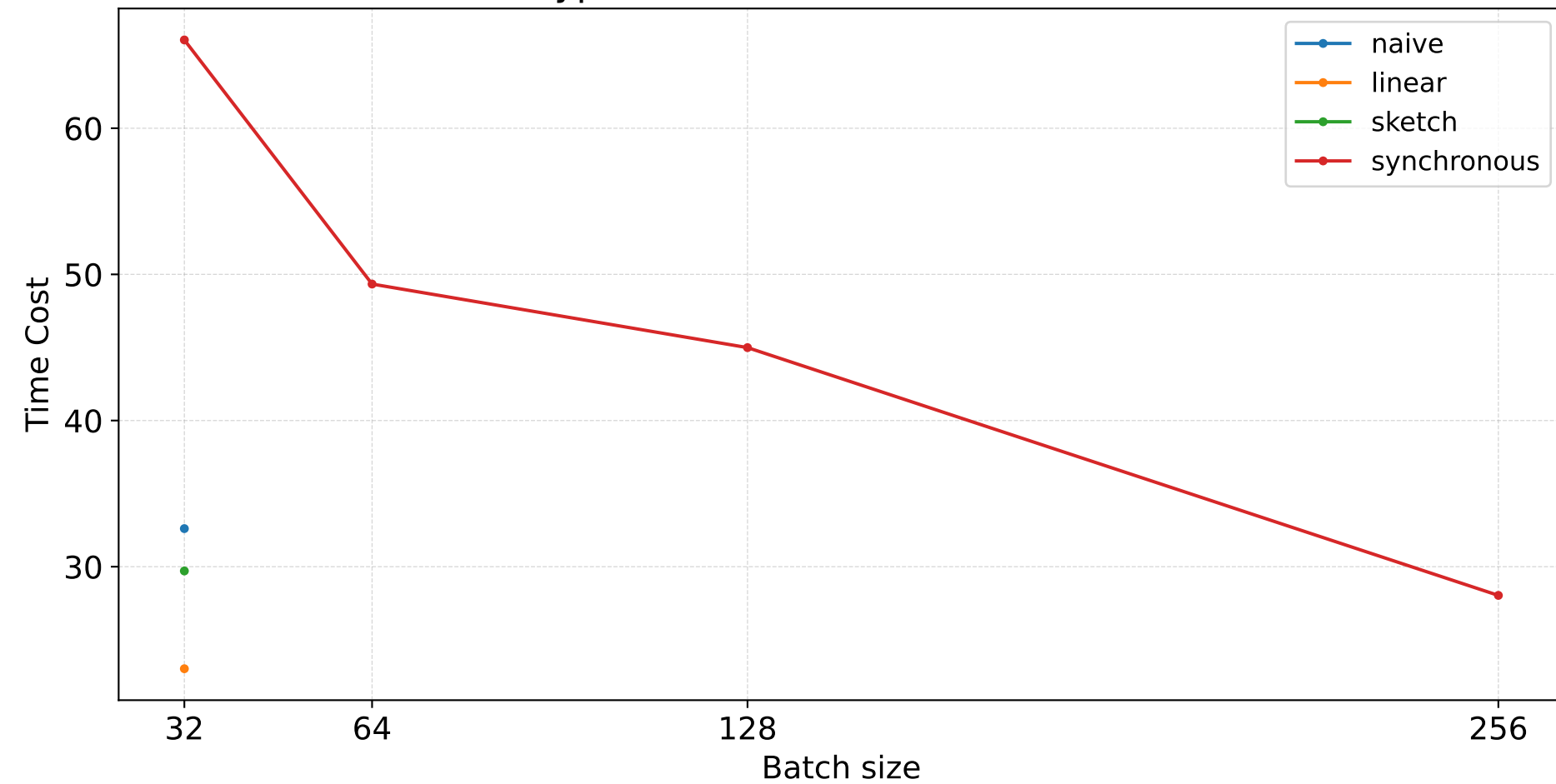


Num Clients : 35 ,  $\Theta$  : 1.0

Common Channel Communication Model

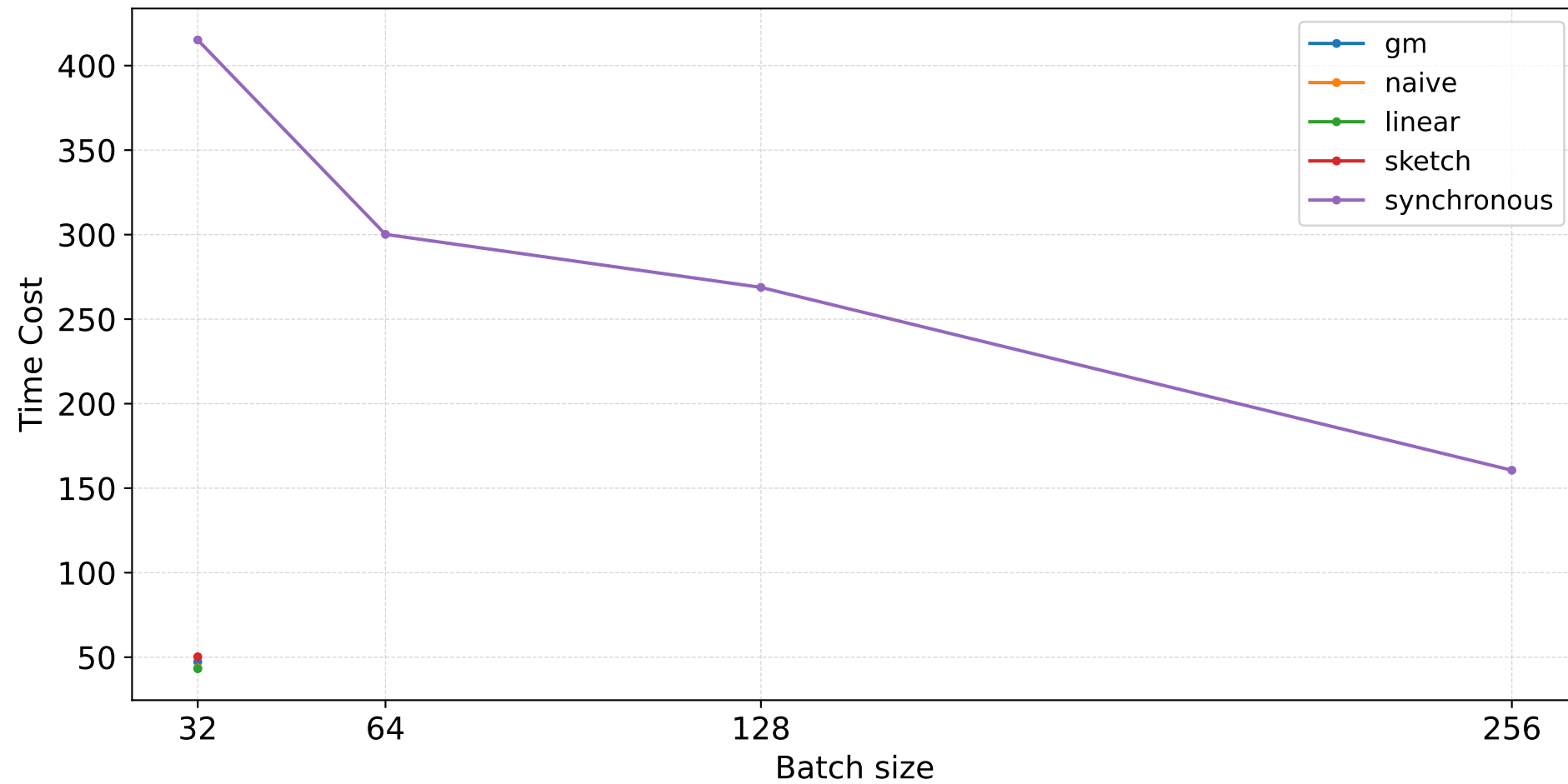


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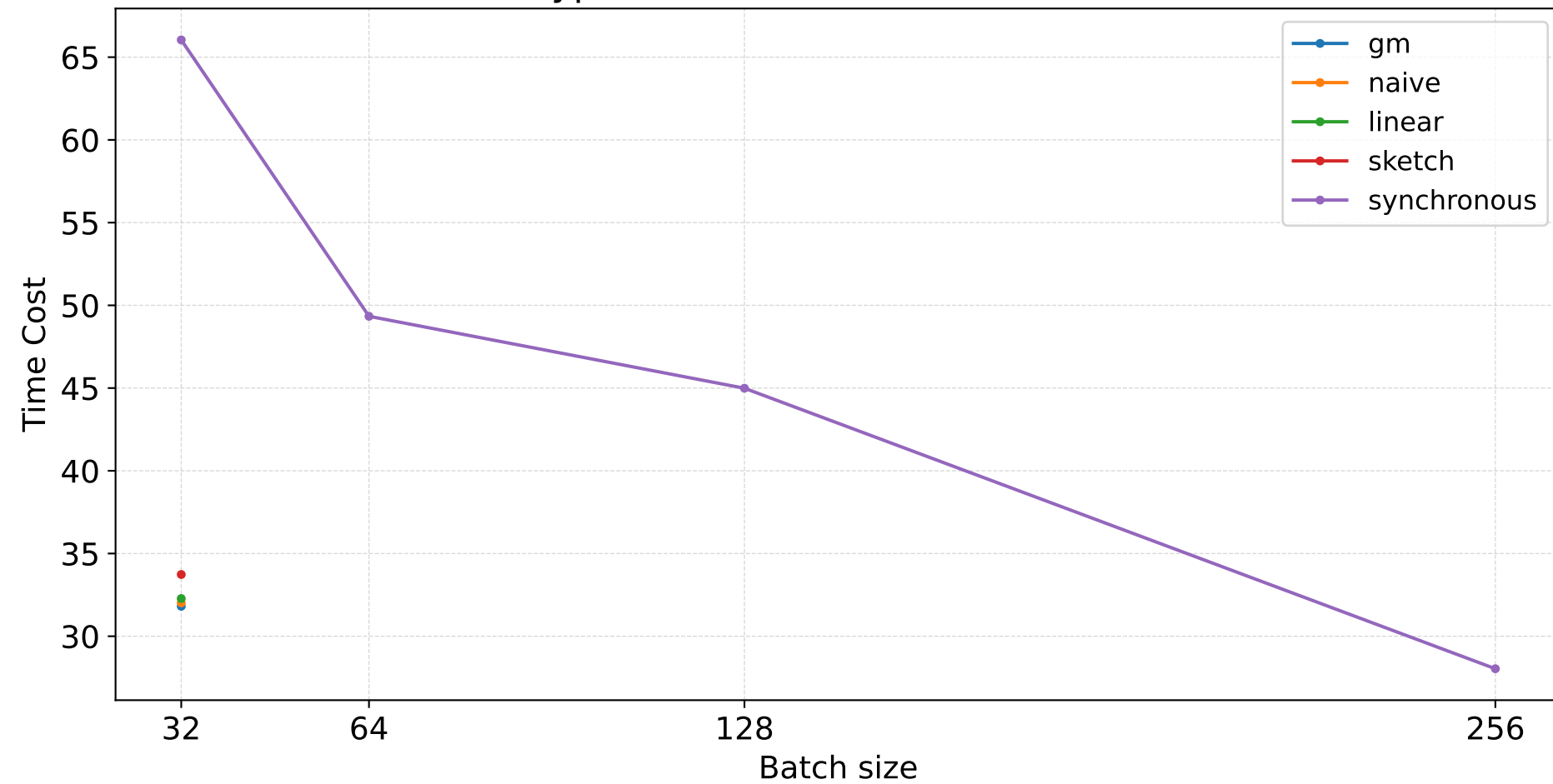


Num Clients : 35 ,  $\Theta$  : 1.5

Common Channel Communication Model

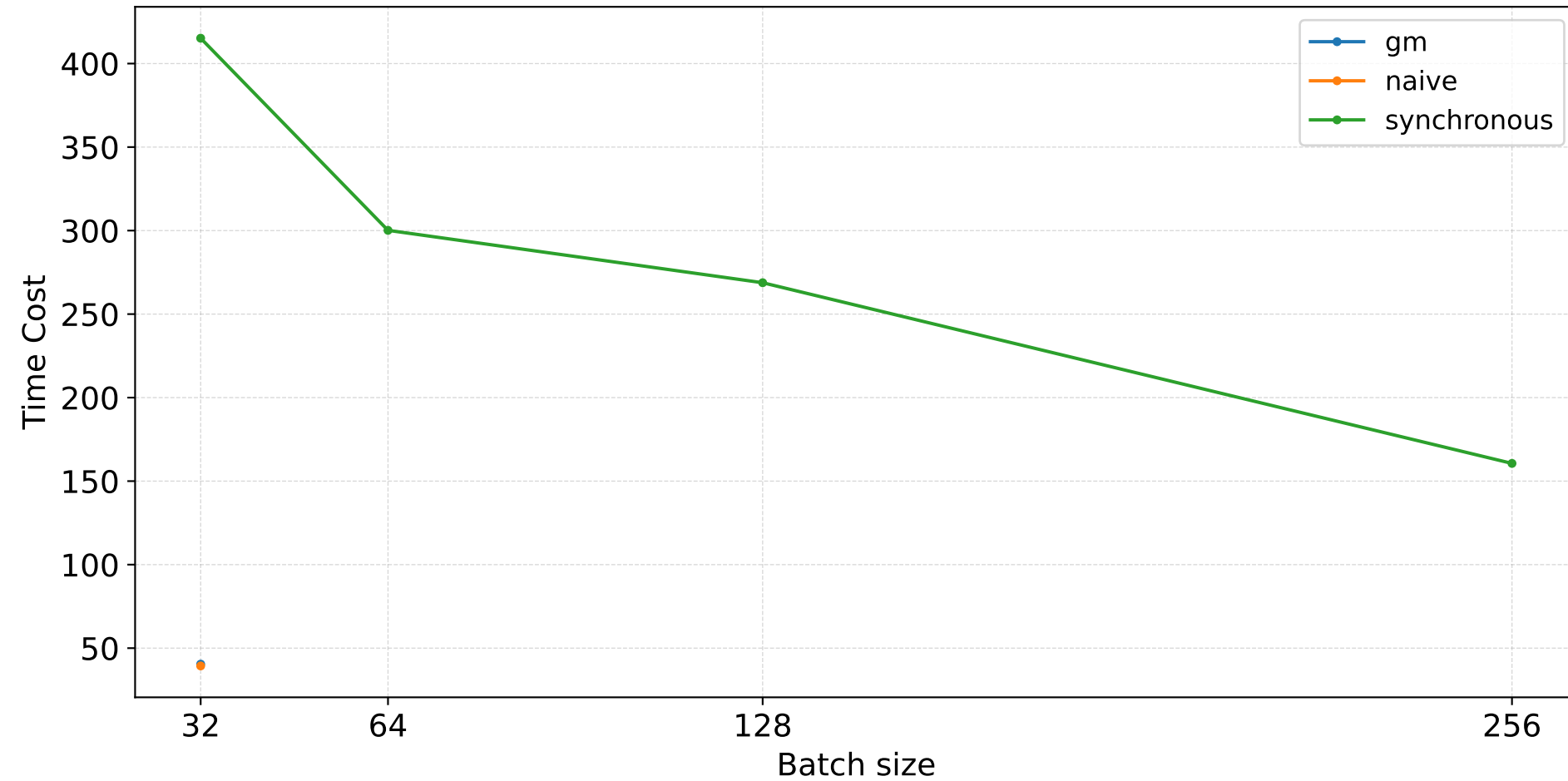


Hypercube Communication Model

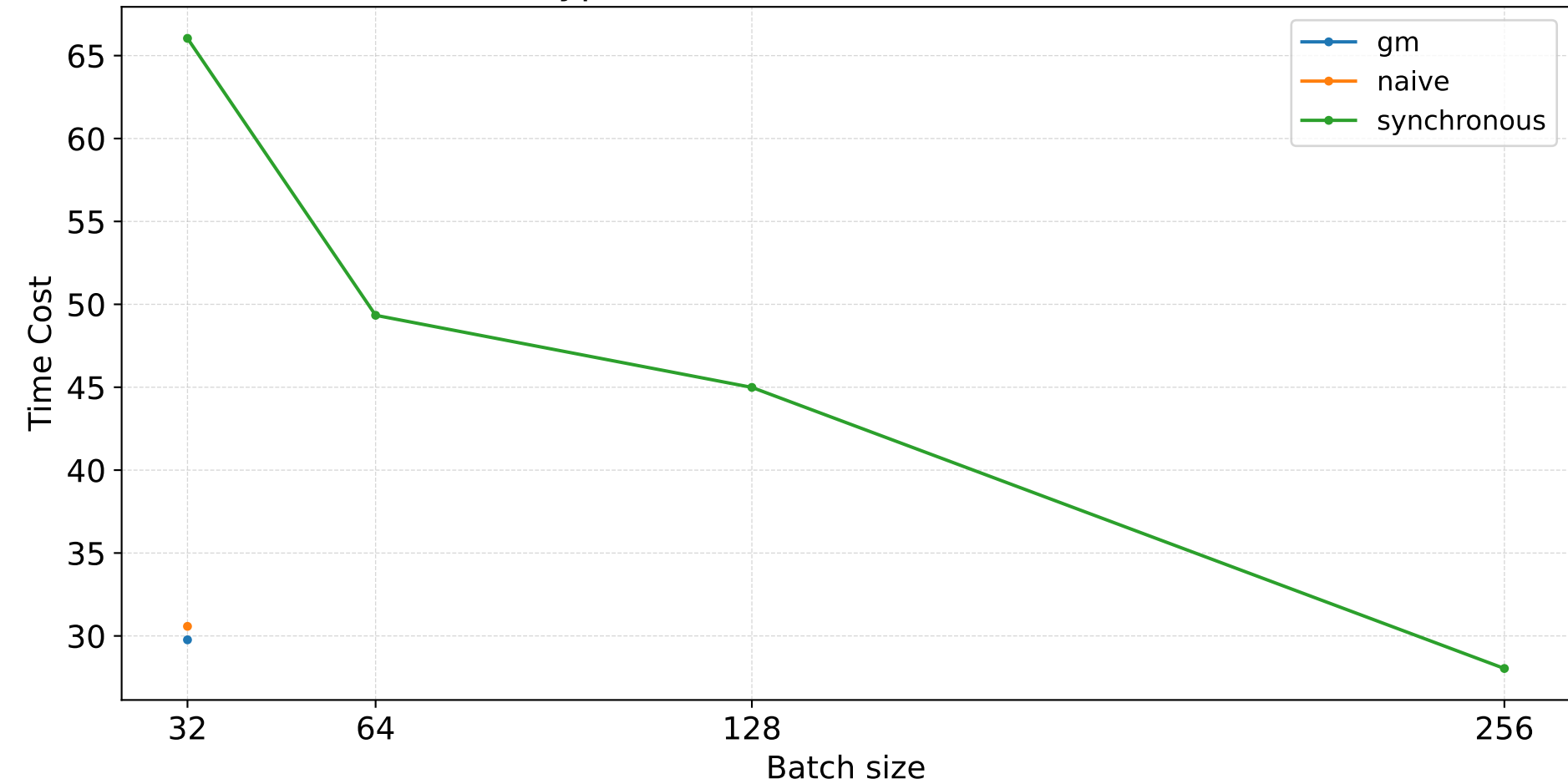


Num Clients : 35 ,  $\Theta$  : 2.0

Common Channel Communication Model



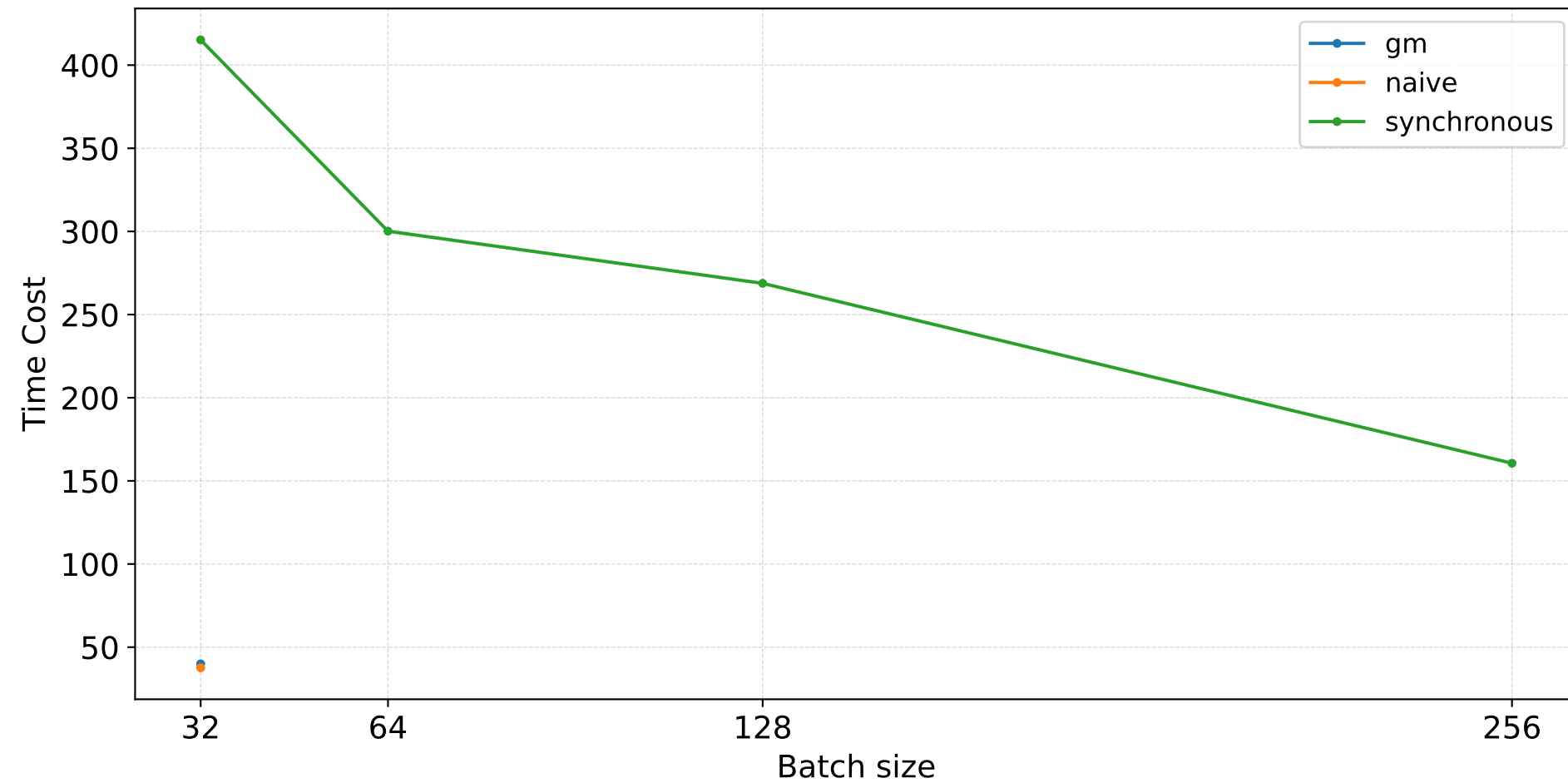
Hypercube Communication Model



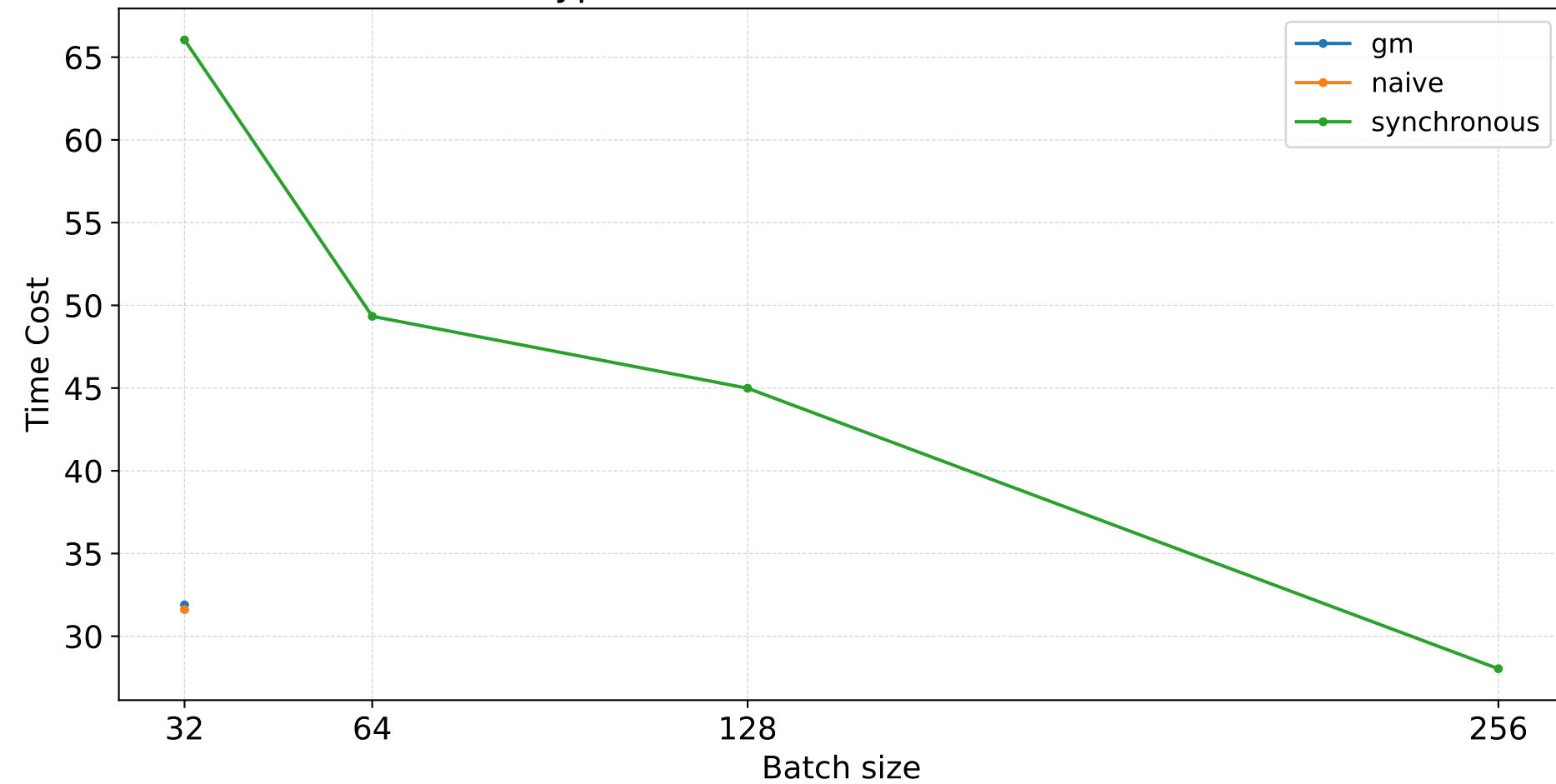


Num Clients : 35 ,  $\Theta$  : 3.0

Common Channel Communication Model

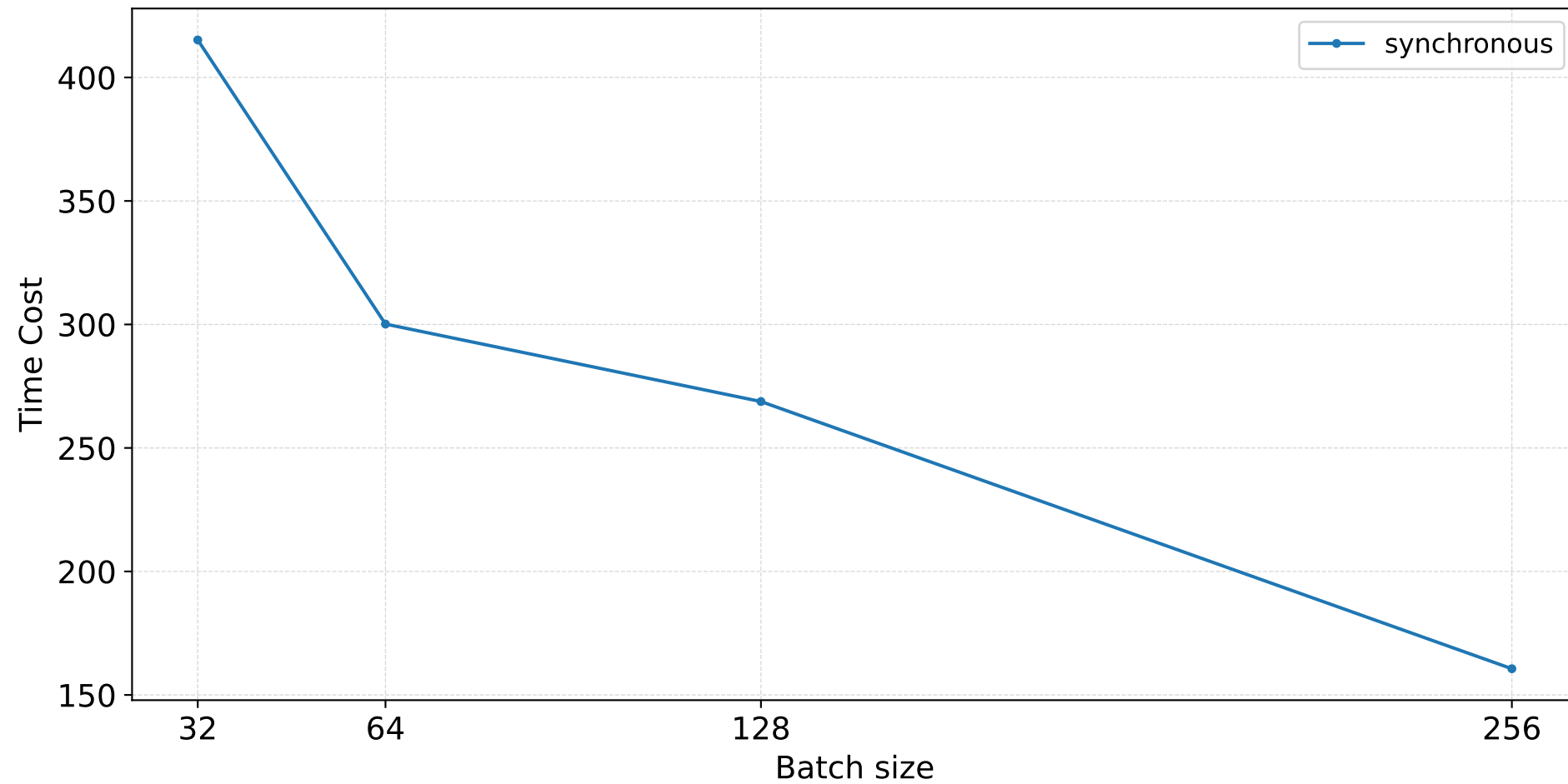


Hypercube Communication Model

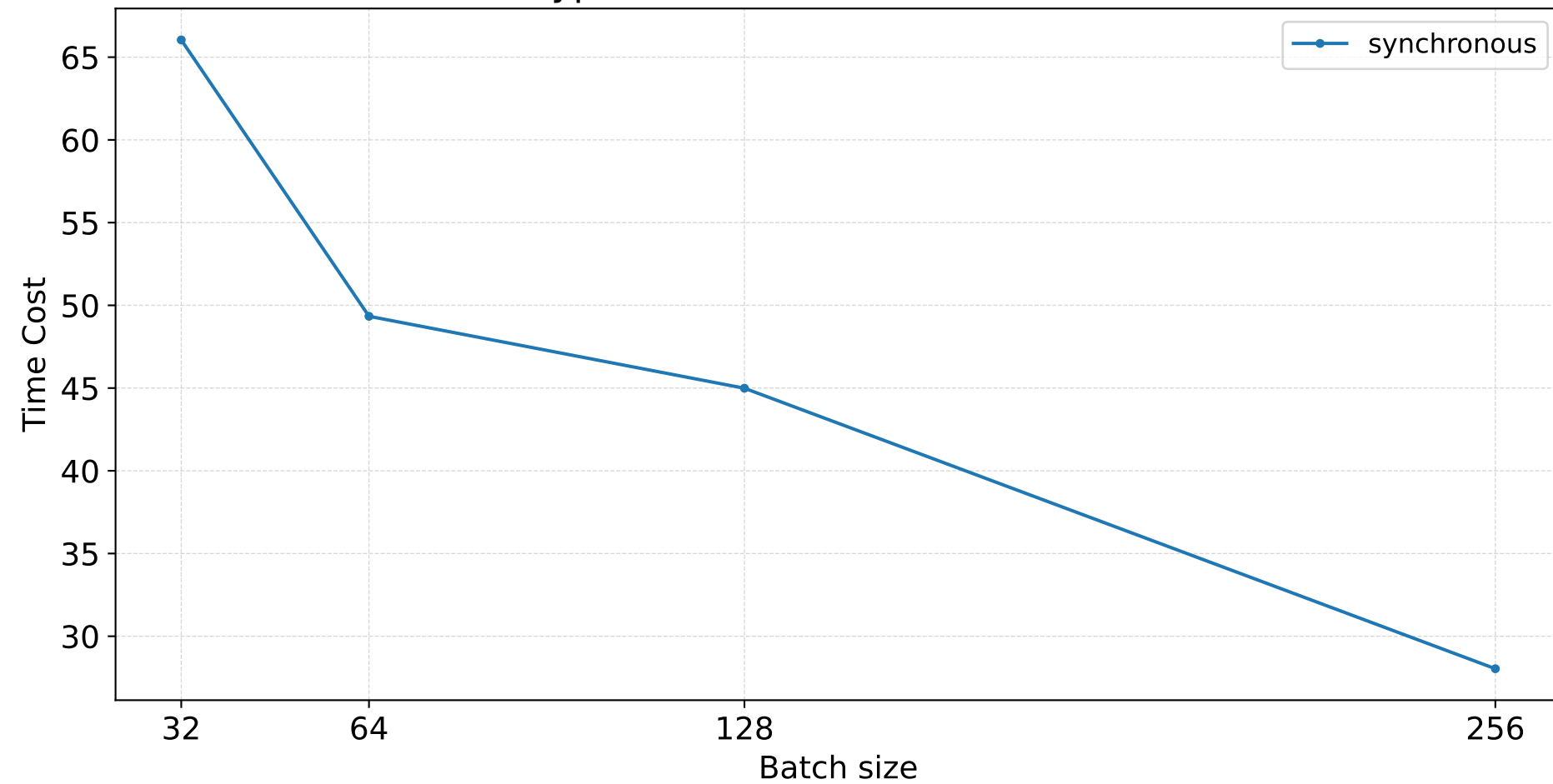


Num Clients : 35 ,  $\Theta$  : 5.0

Common Channel Communication Model

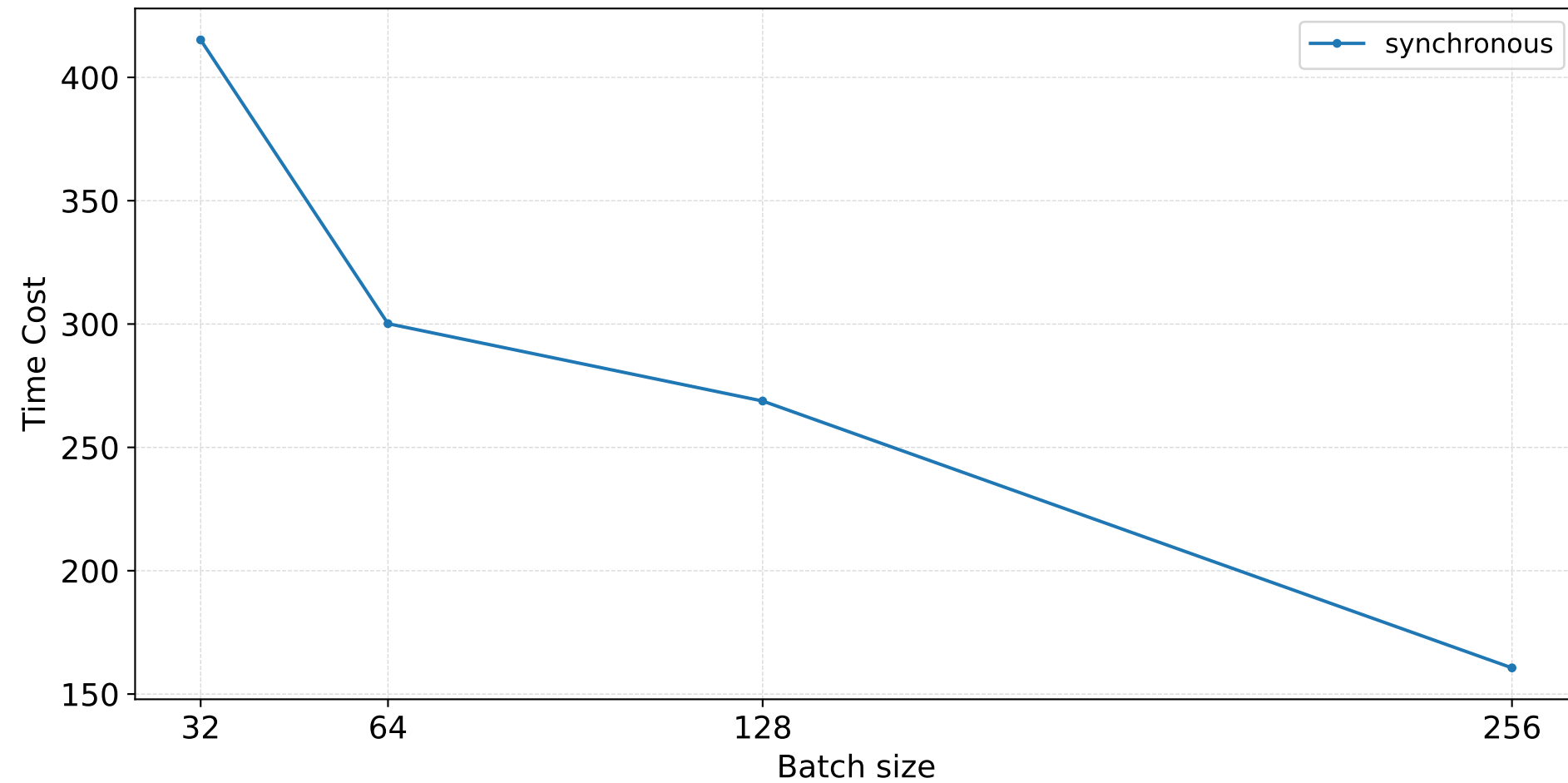


Hypercube Communication Model

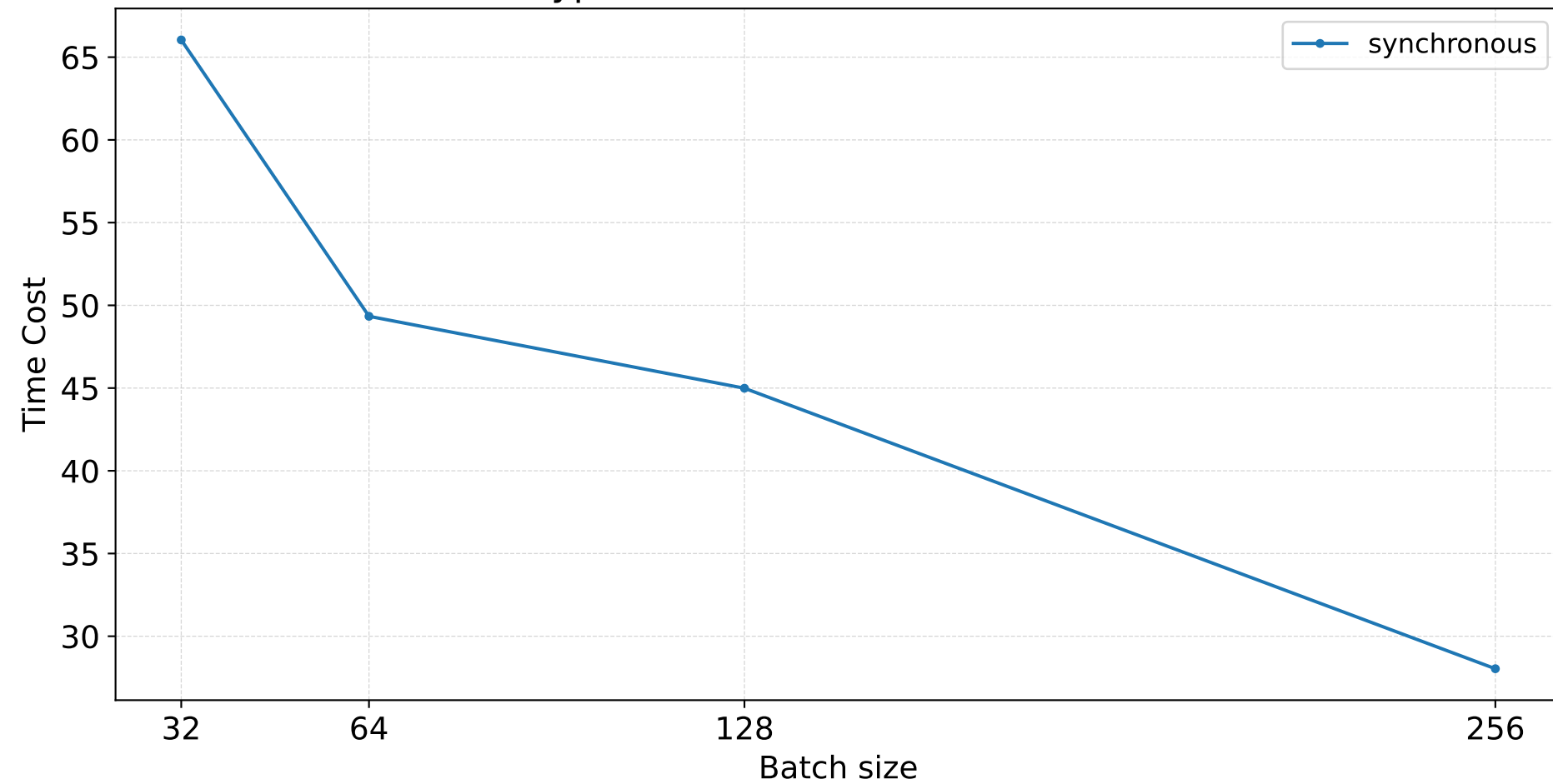


Num Clients : 35 ,  $\Theta$  : 7.0

Common Channel Communication Model

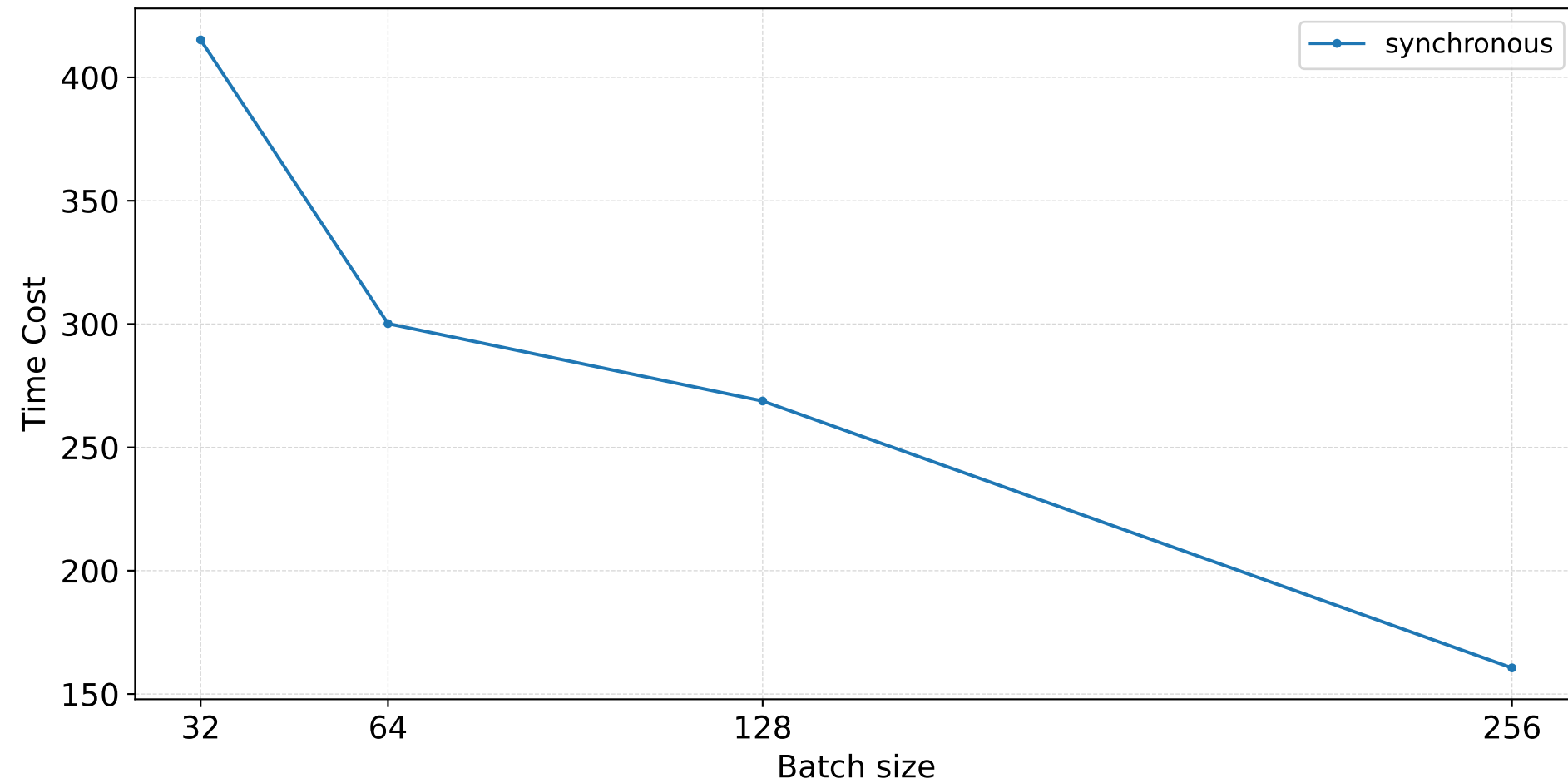


Hypercube Communication Model

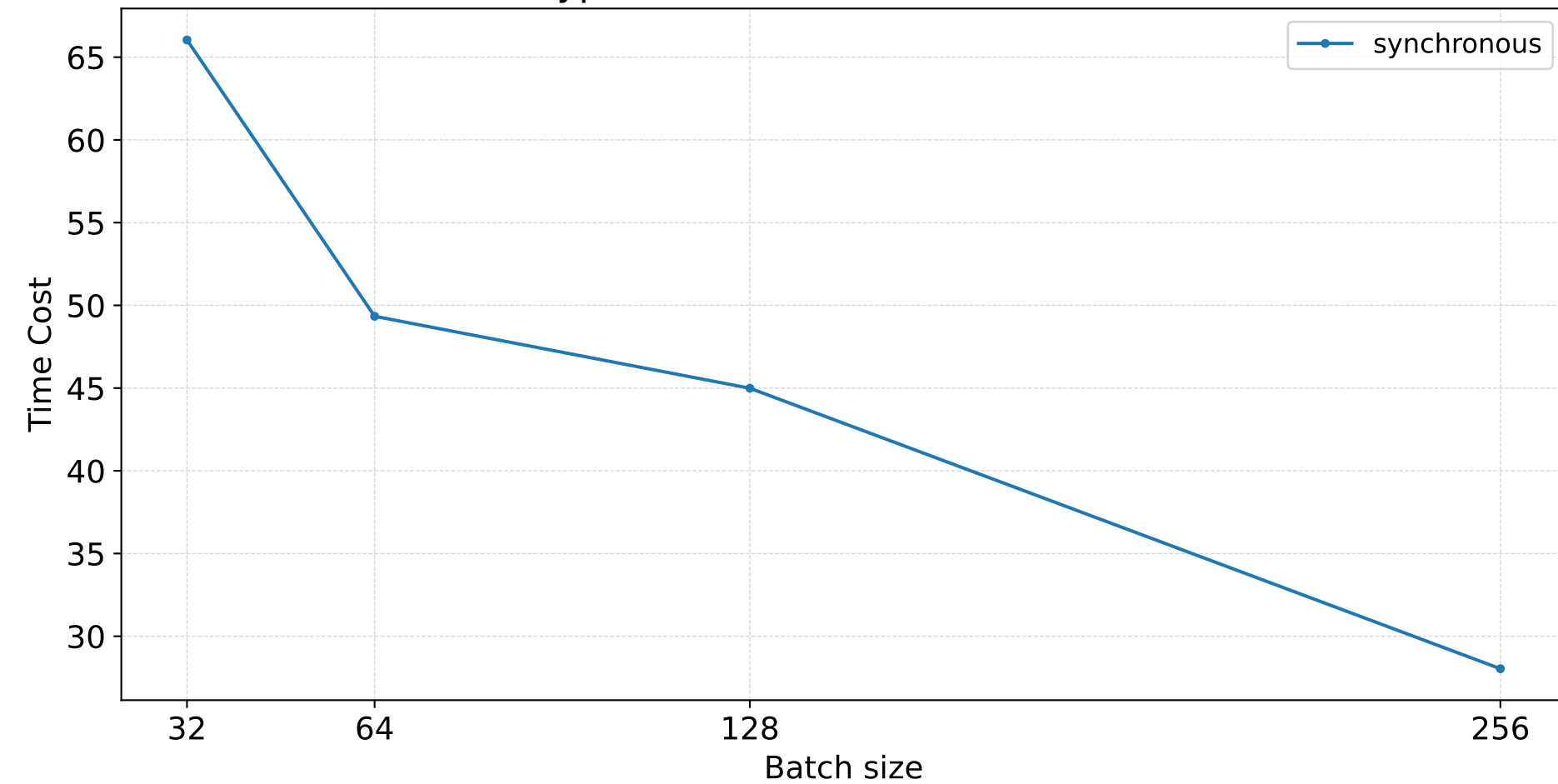


Num Clients : 35 ,  $\Theta$  : 10.0

Common Channel Communication Model

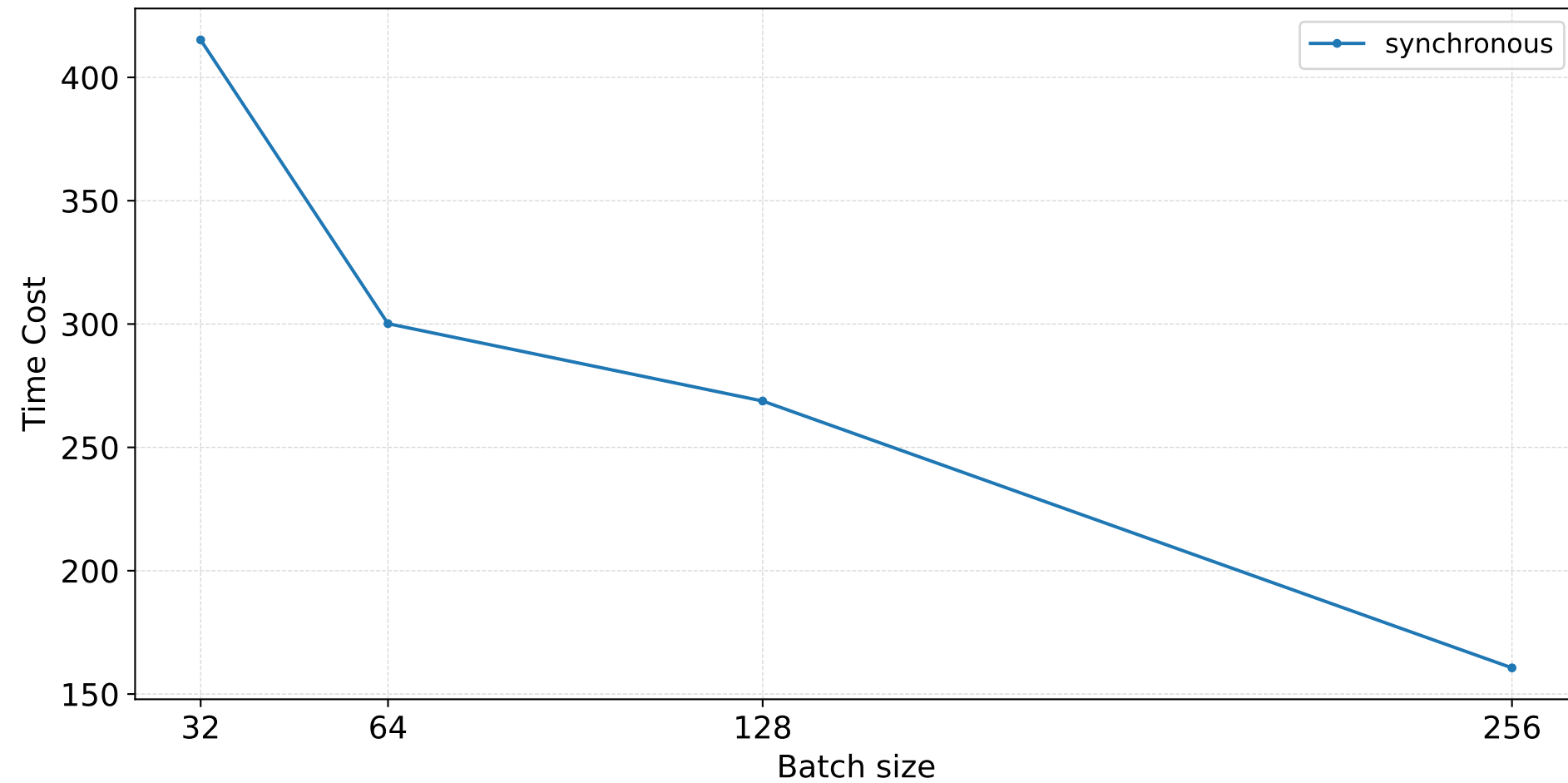


Hypercube Communication Model

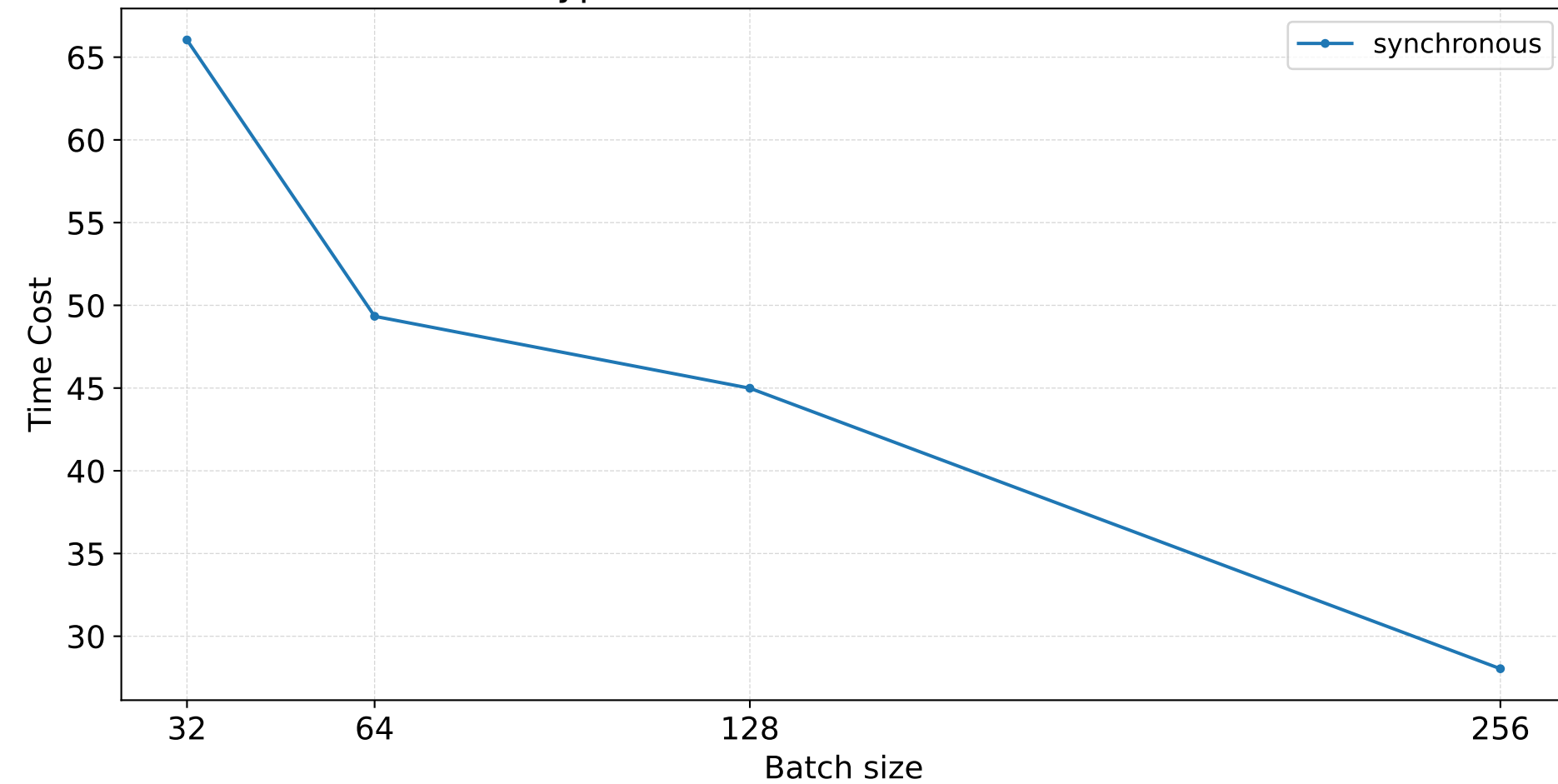


Num Clients : 35 ,  $\Theta$  : 12.0

Common Channel Communication Model

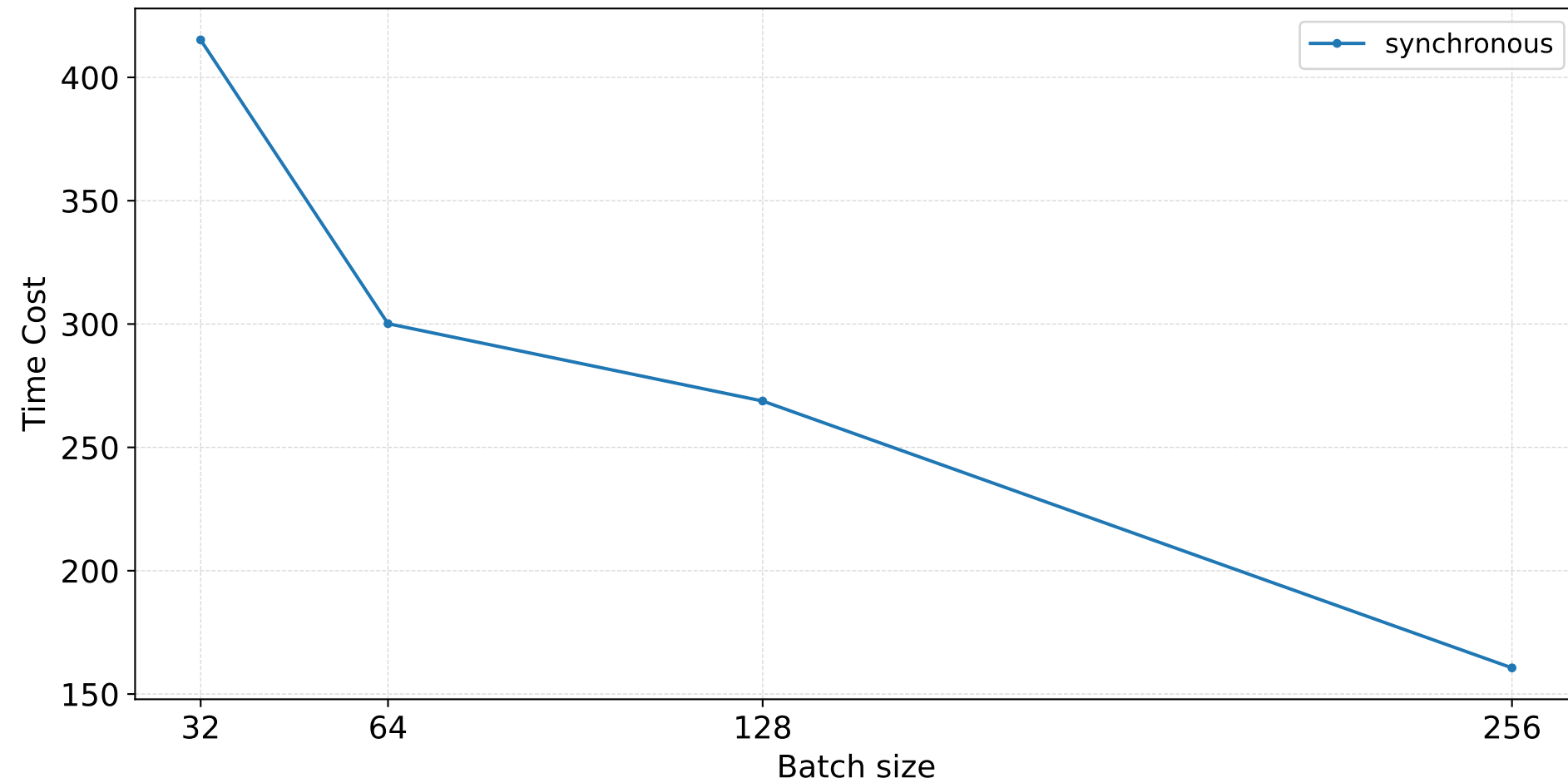


Hypercube Communication Model

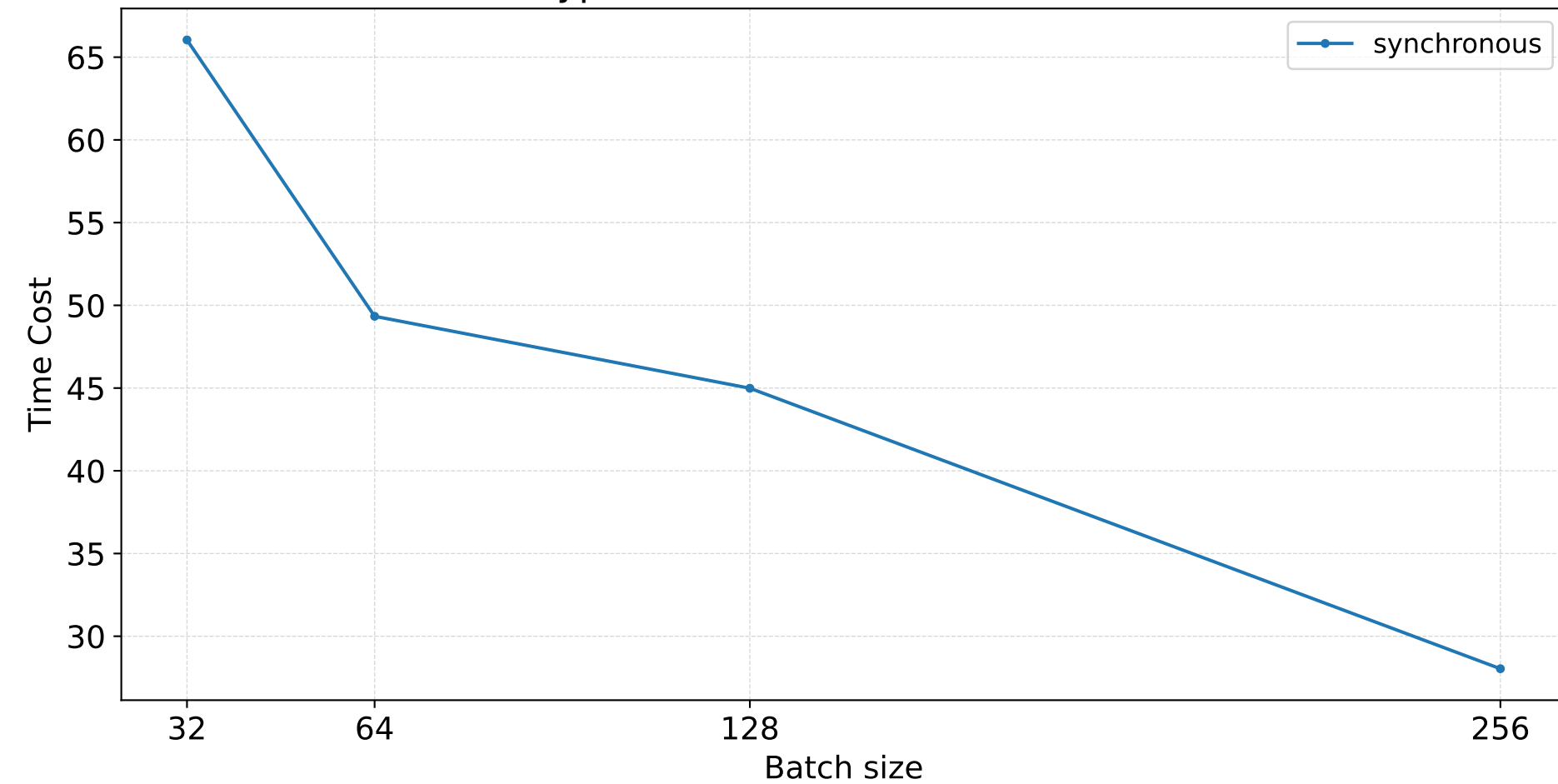


Num Clients : 35 ,  $\Theta$  : 15.0

Common Channel Communication Model

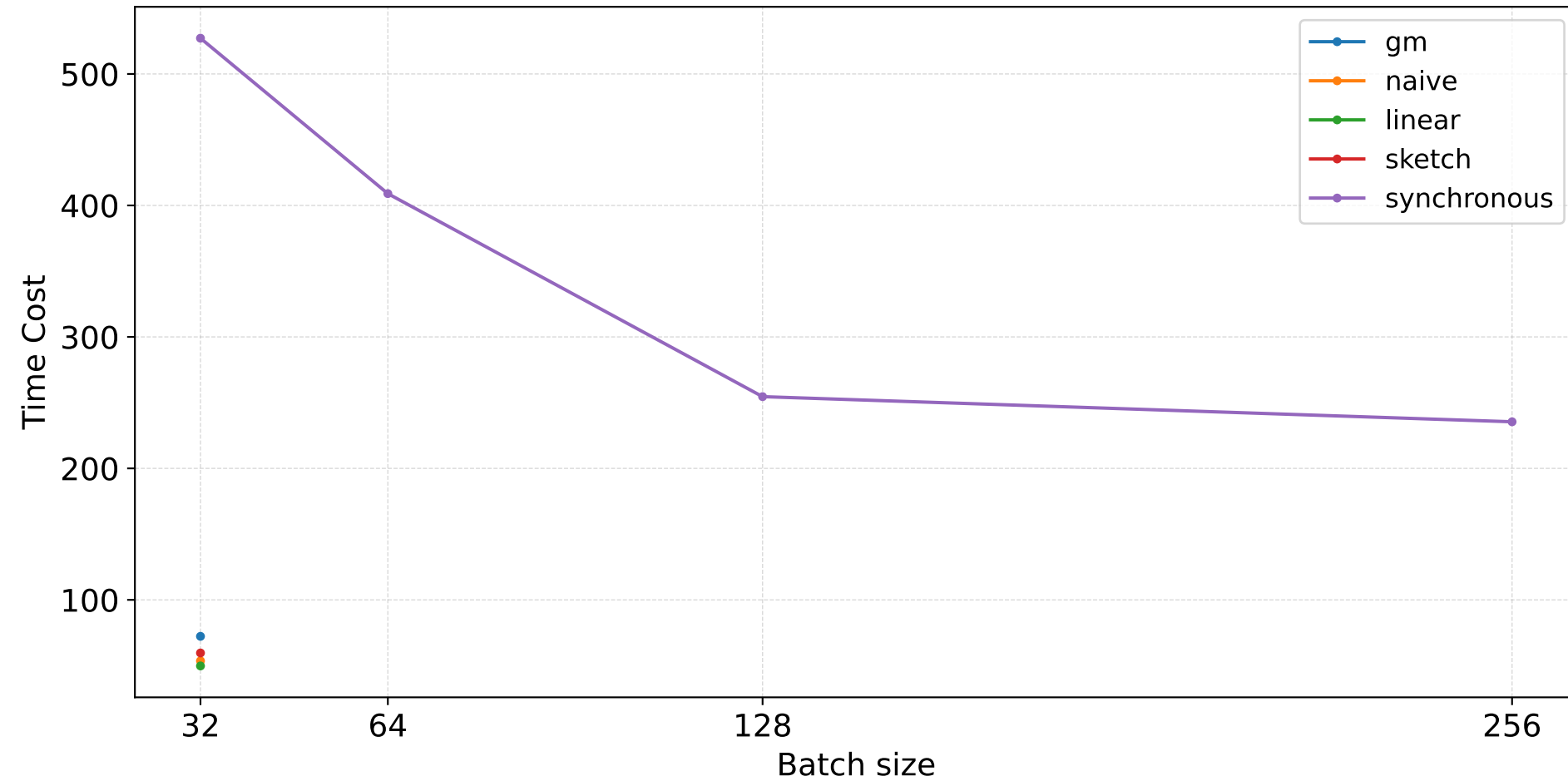


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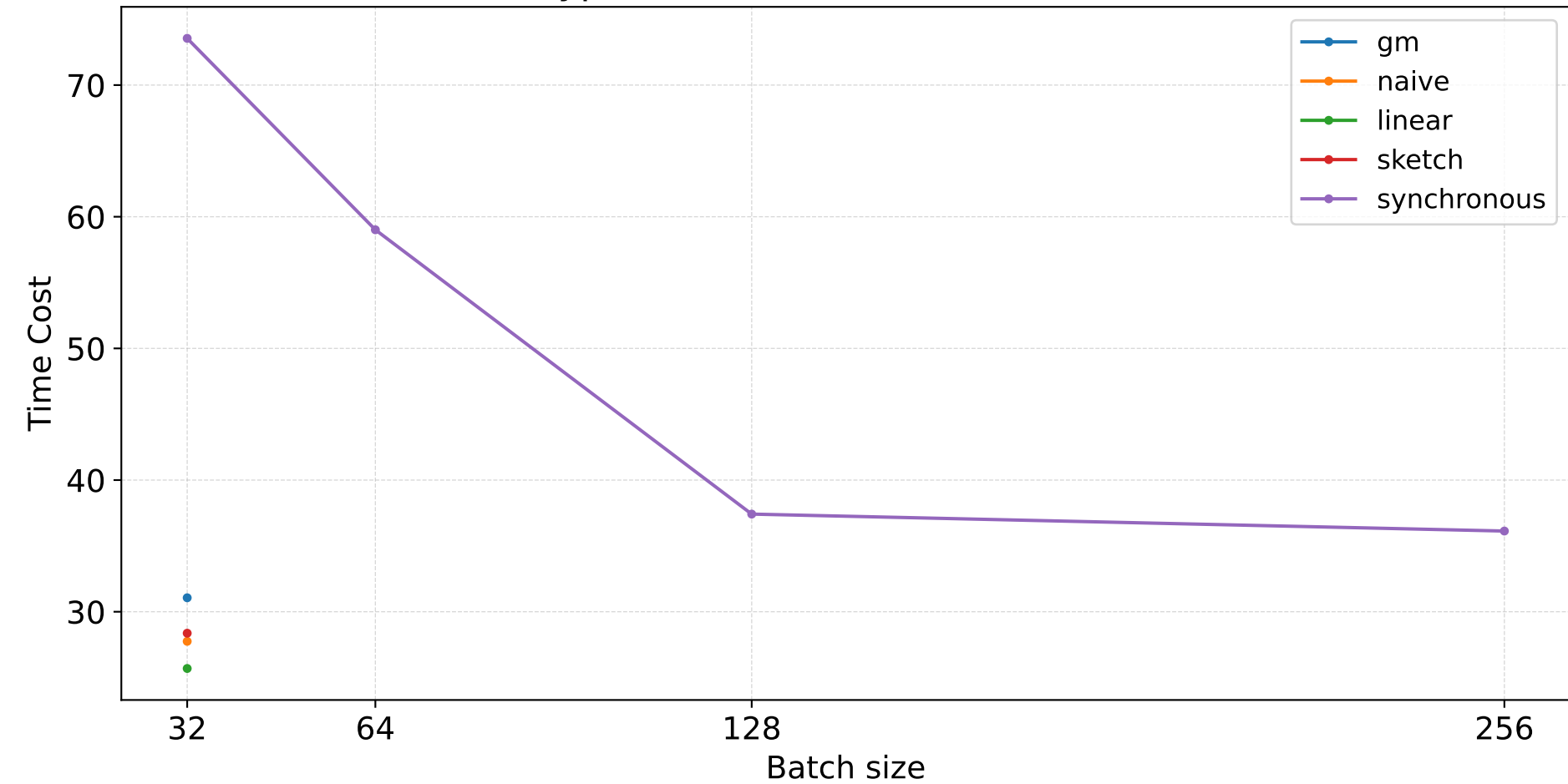


Num Clients : 40 ,  $\Theta$  : 0.5

Common Channel Communication Model

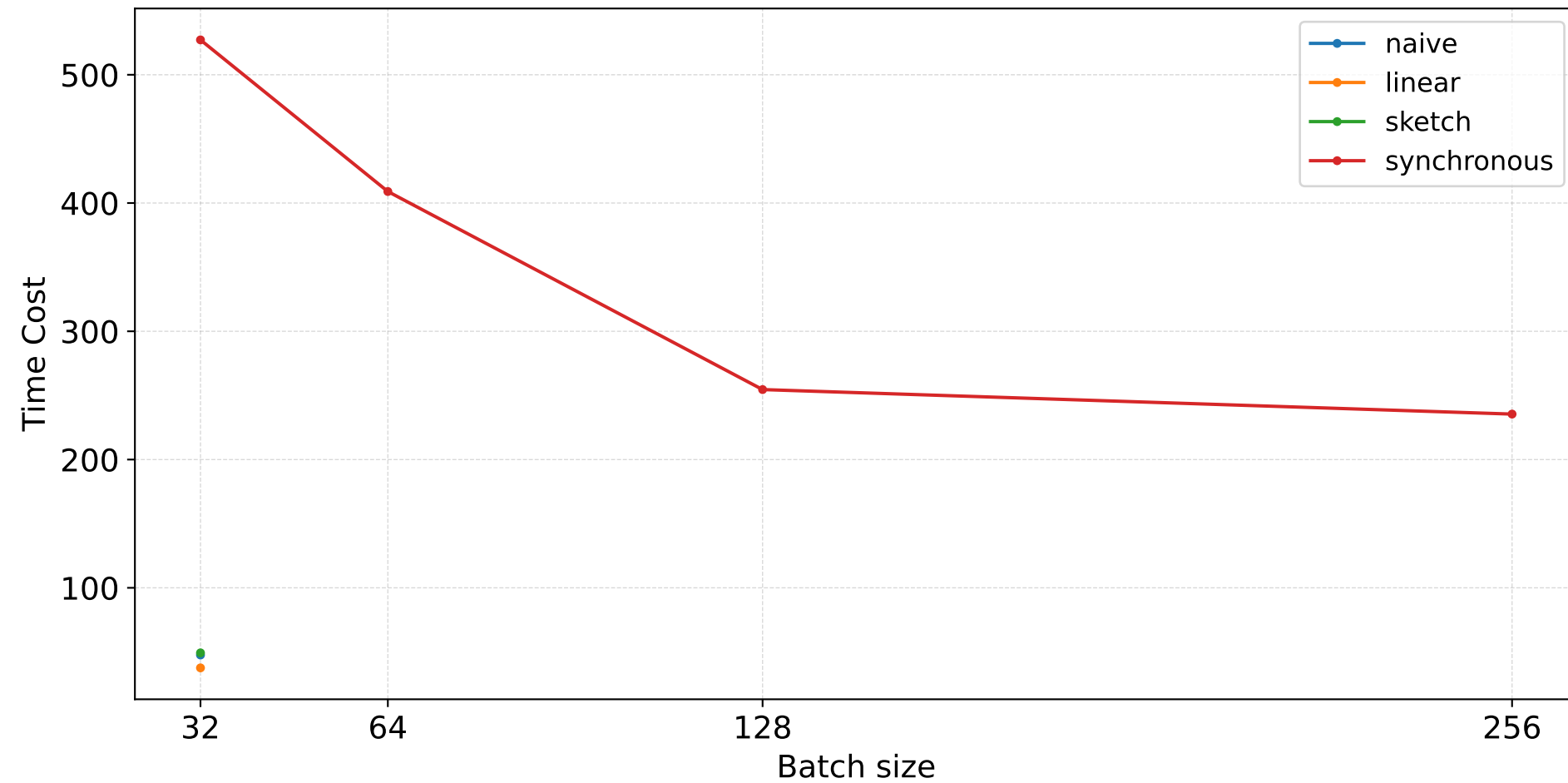


Hypercube Communication Model

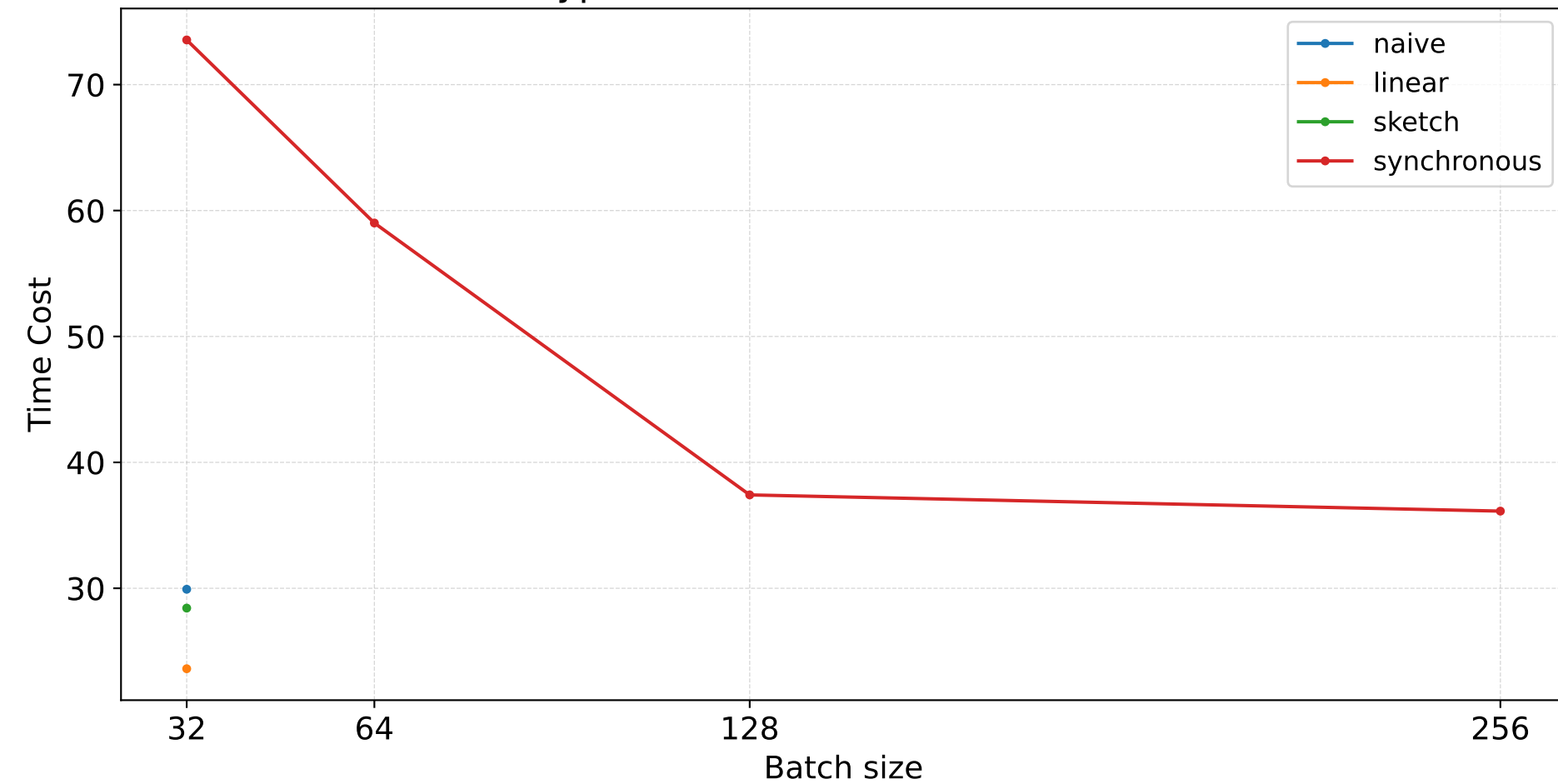


Num Clients : 40 ,  $\Theta$  : 1.0

Common Channel Communication Model



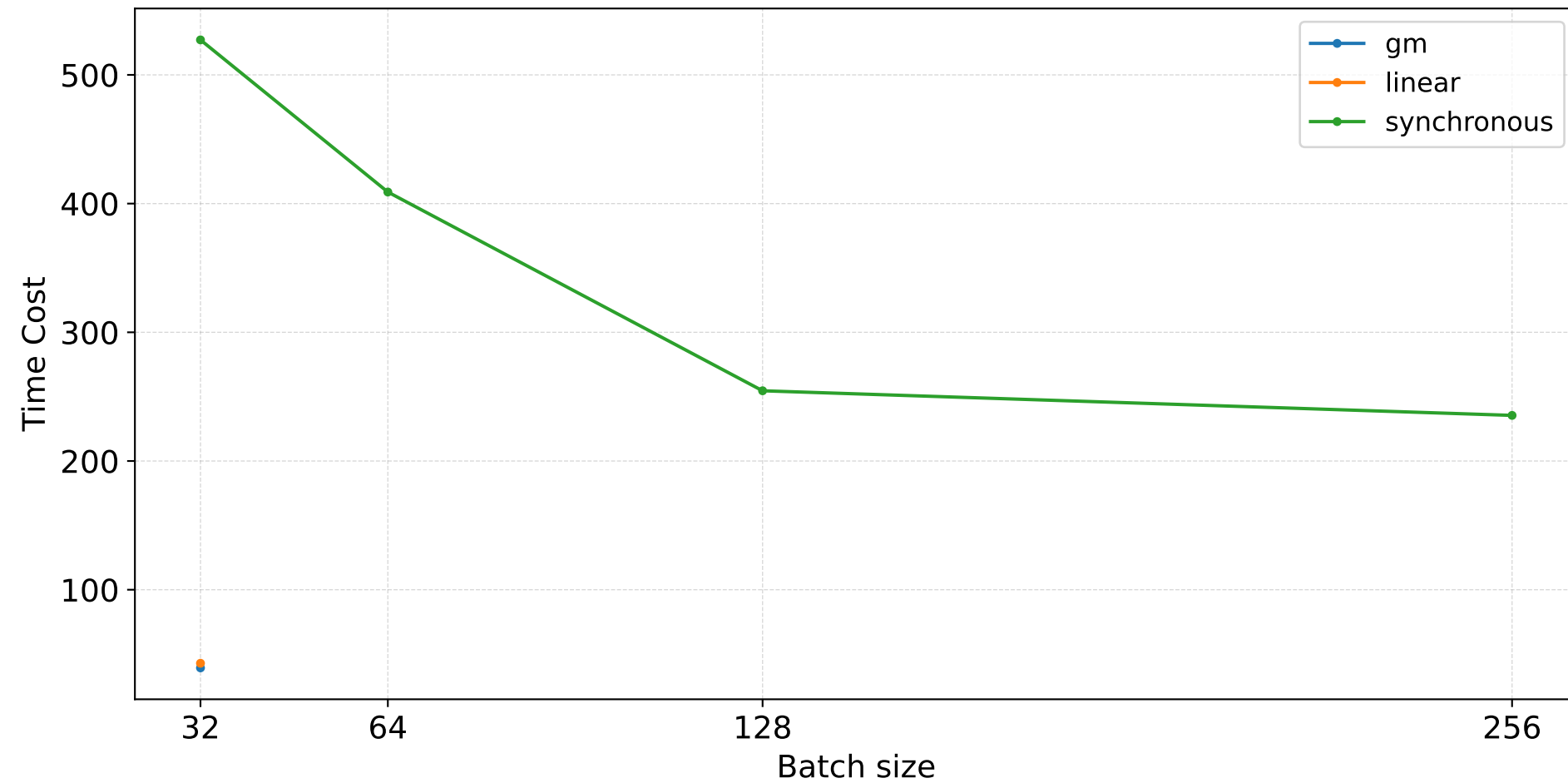
Hypercube Communication Model



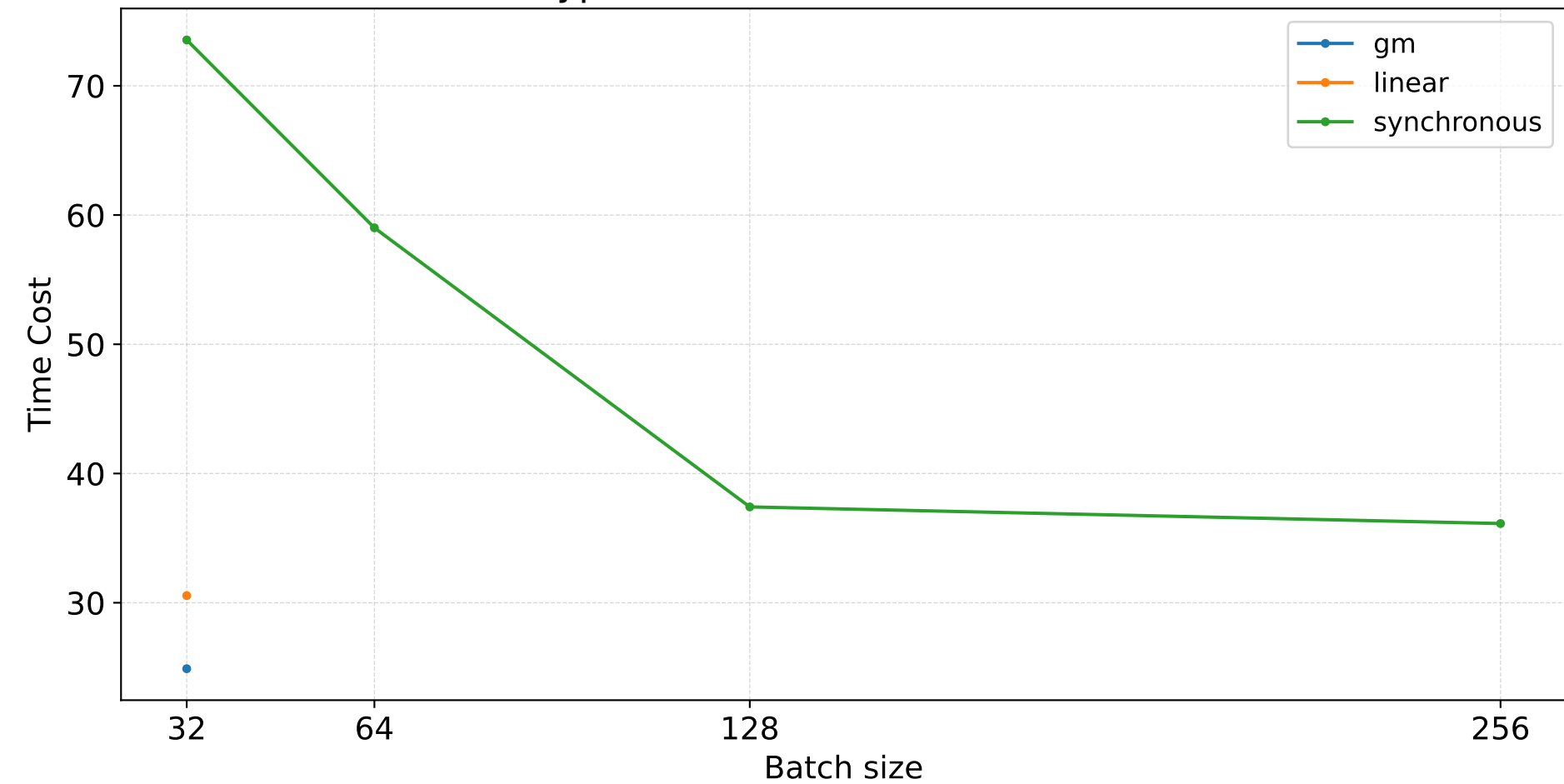


Num Clients : 40 ,  $\Theta$  : 1.5

Common Channel Communication Model

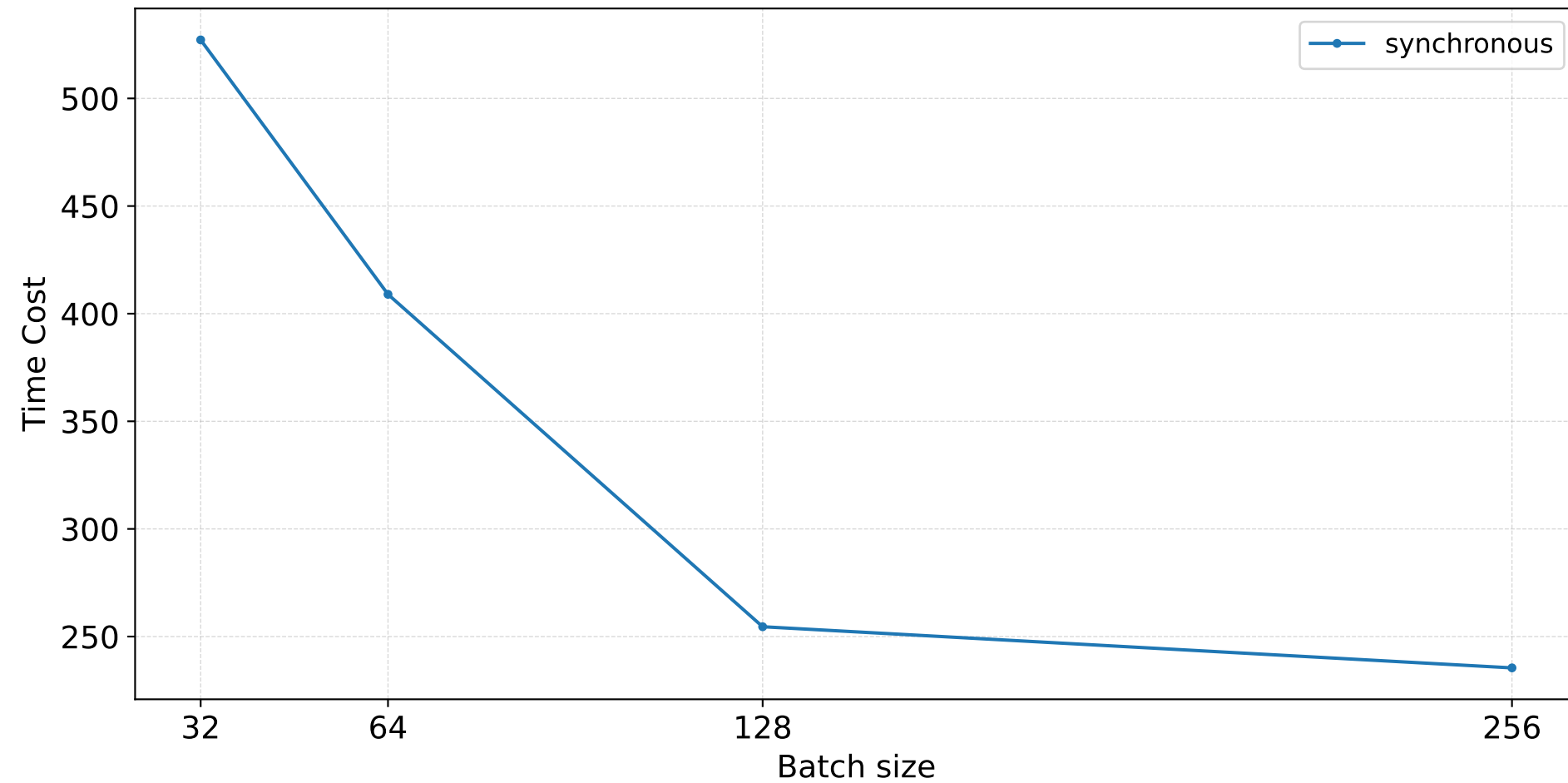


Hypercube Communication Model

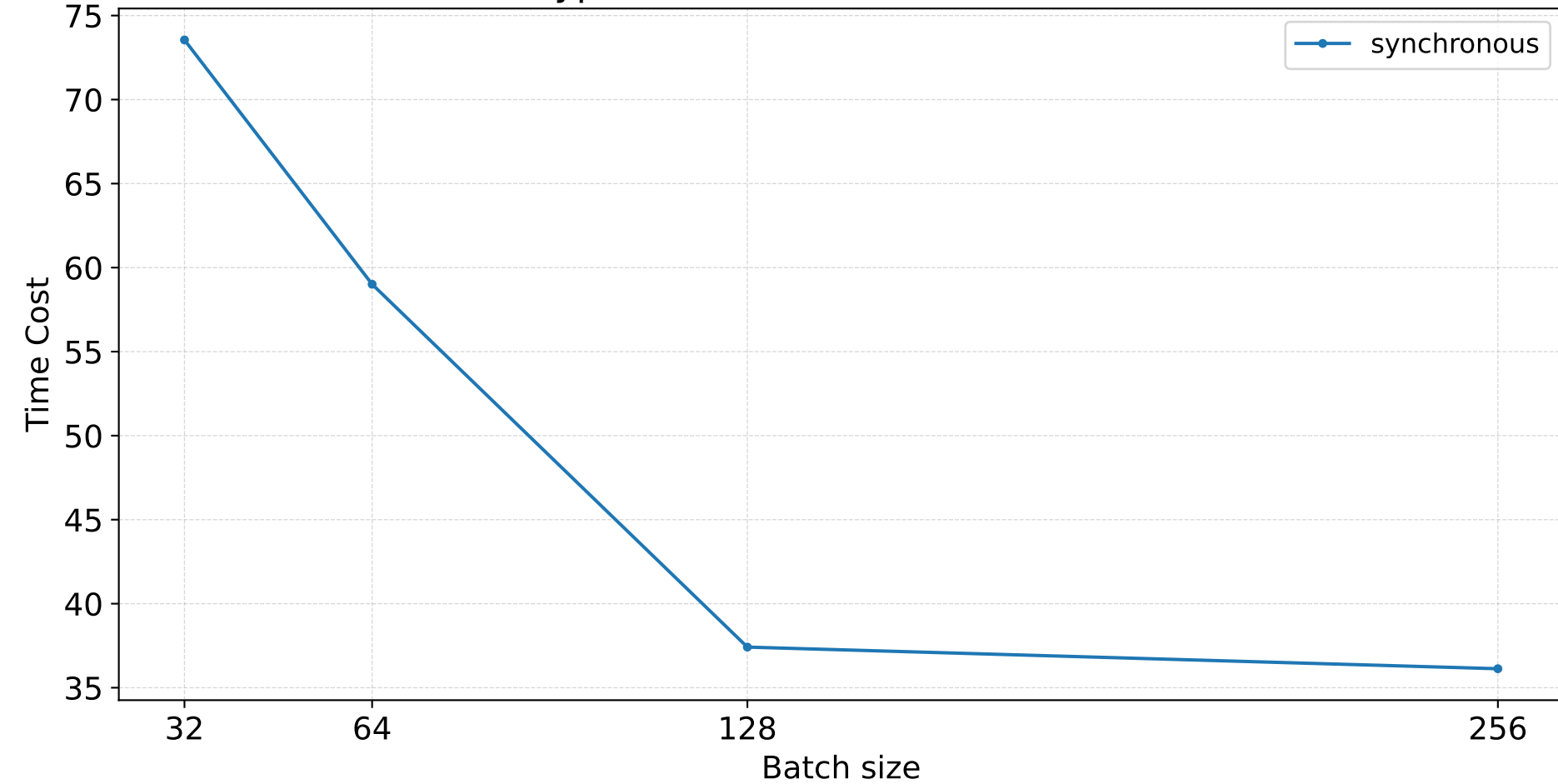


Num Clients : 40 ,  $\Theta$  : 2.0

Common Channel Communication Model

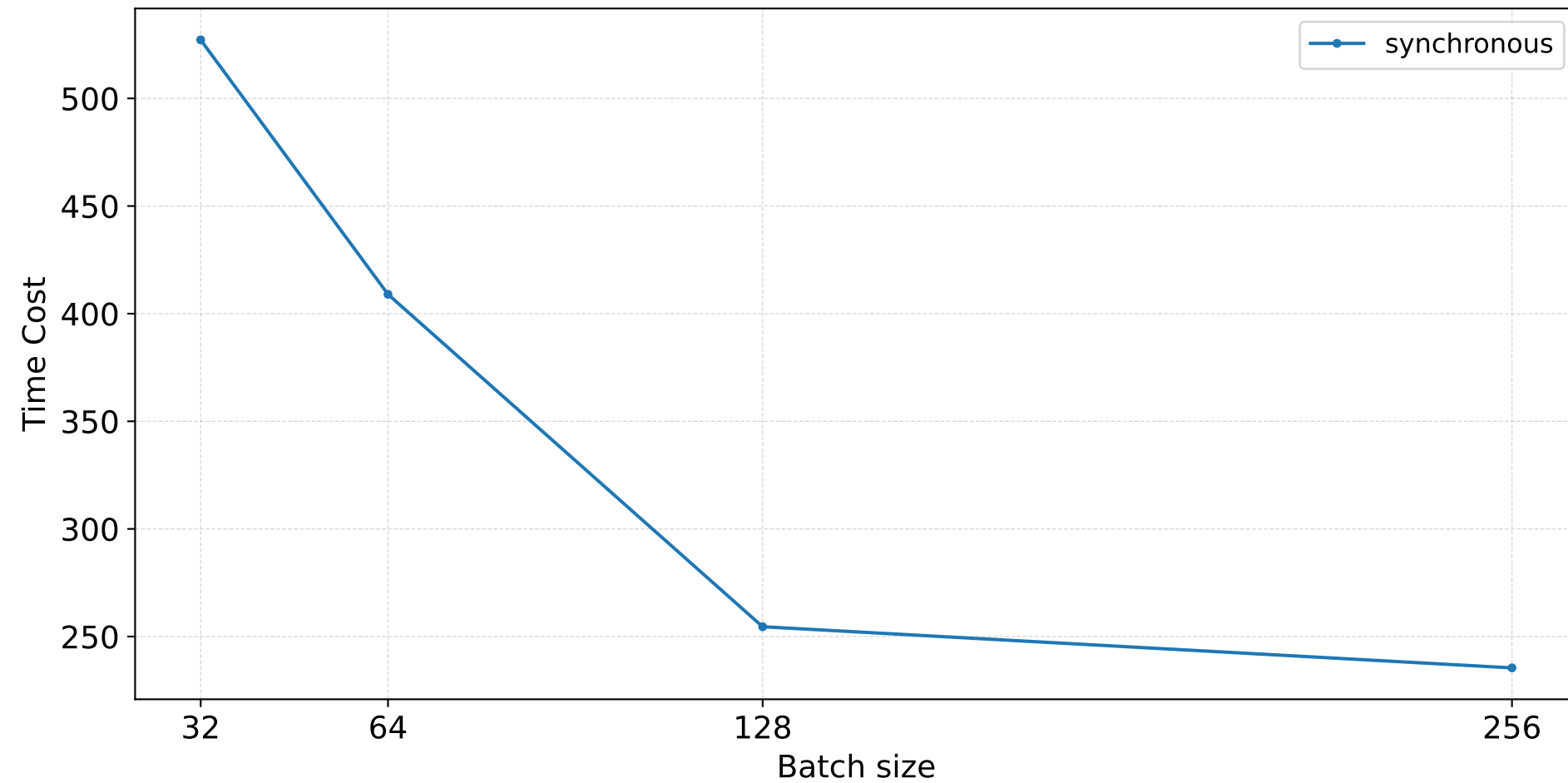


Hypercube Communication Model

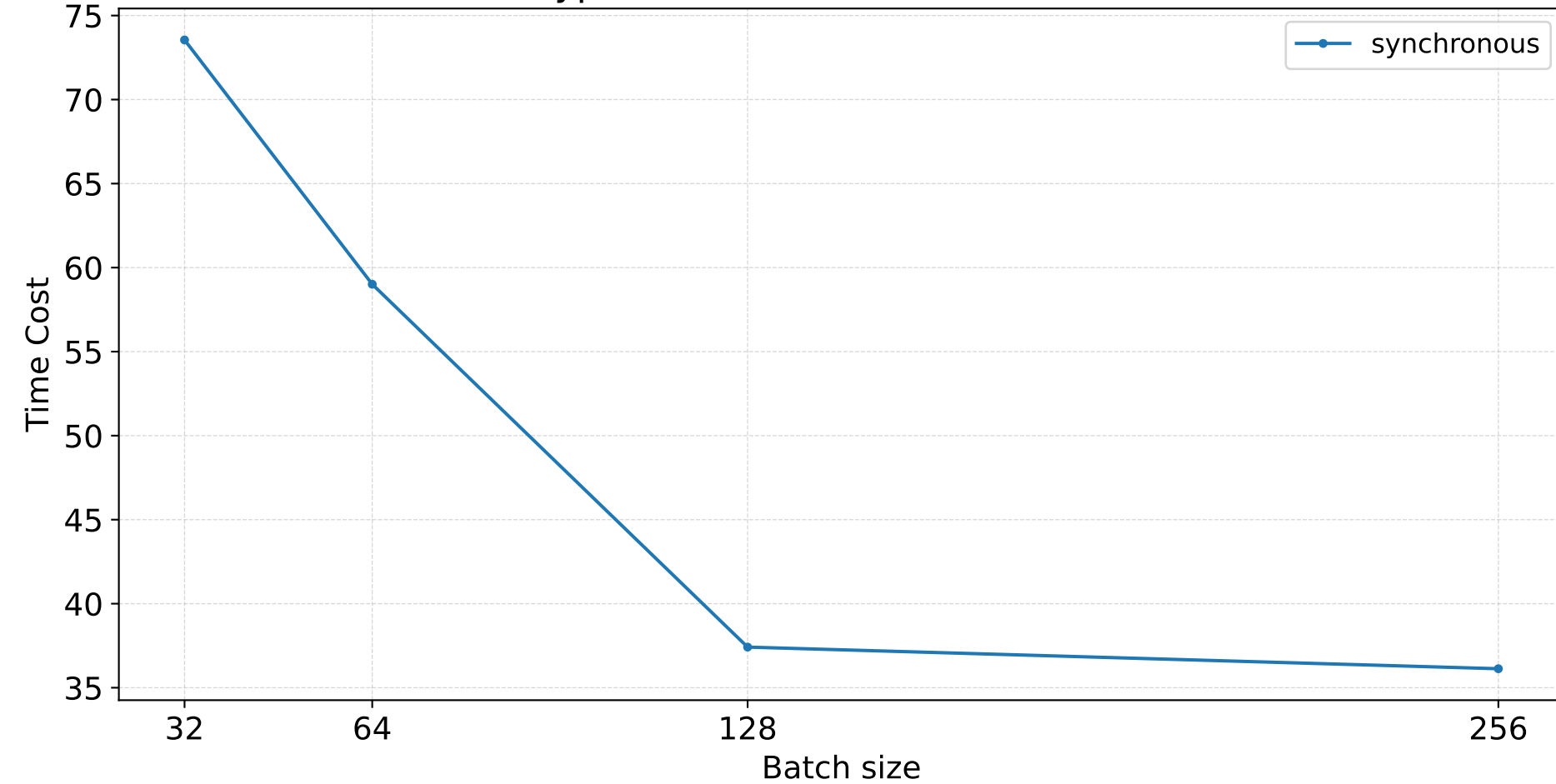


Num Clients : 40 ,  $\Theta$  : 3.0

Common Channel Communication Model

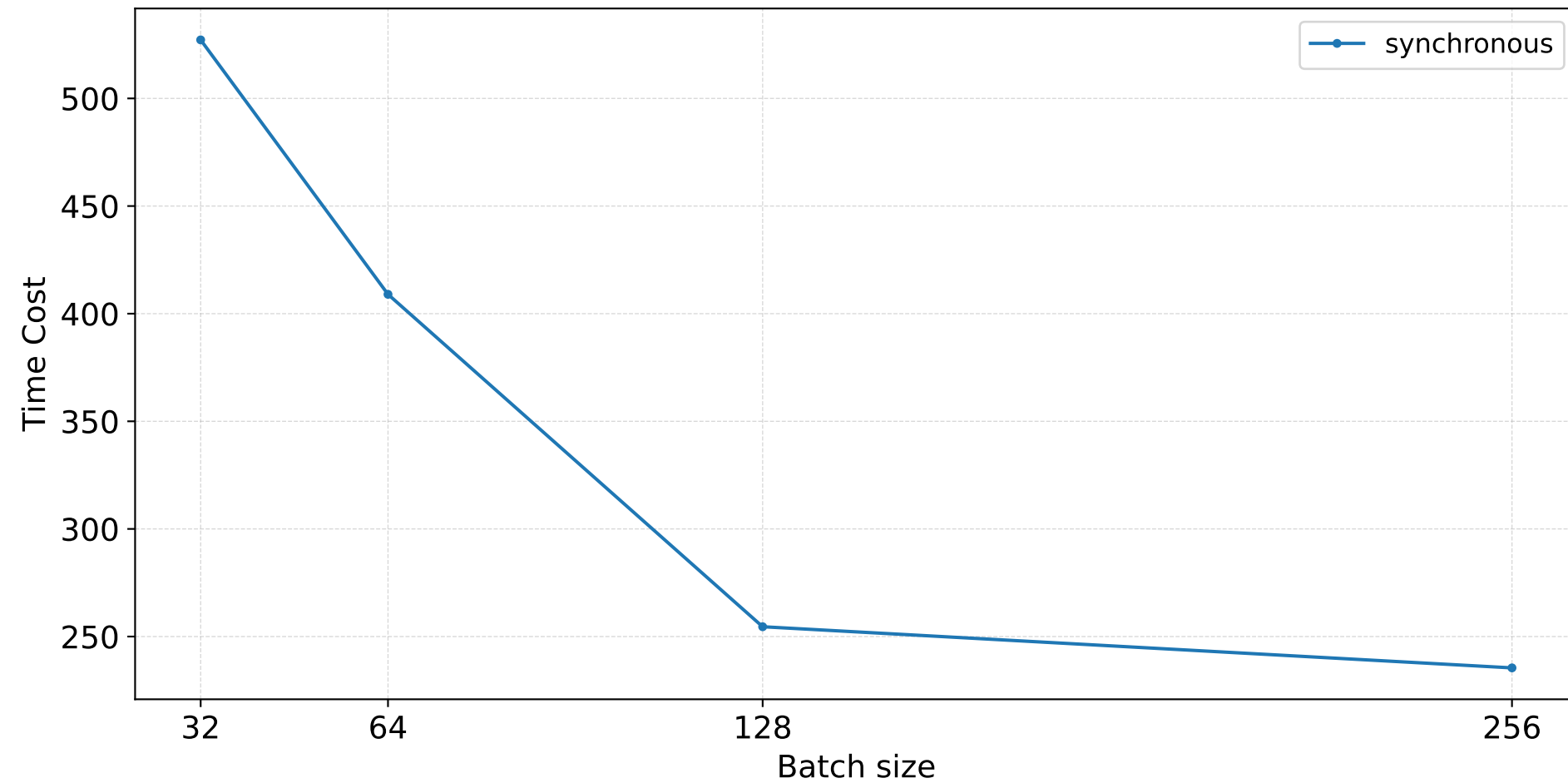


Hypercube Communication Model

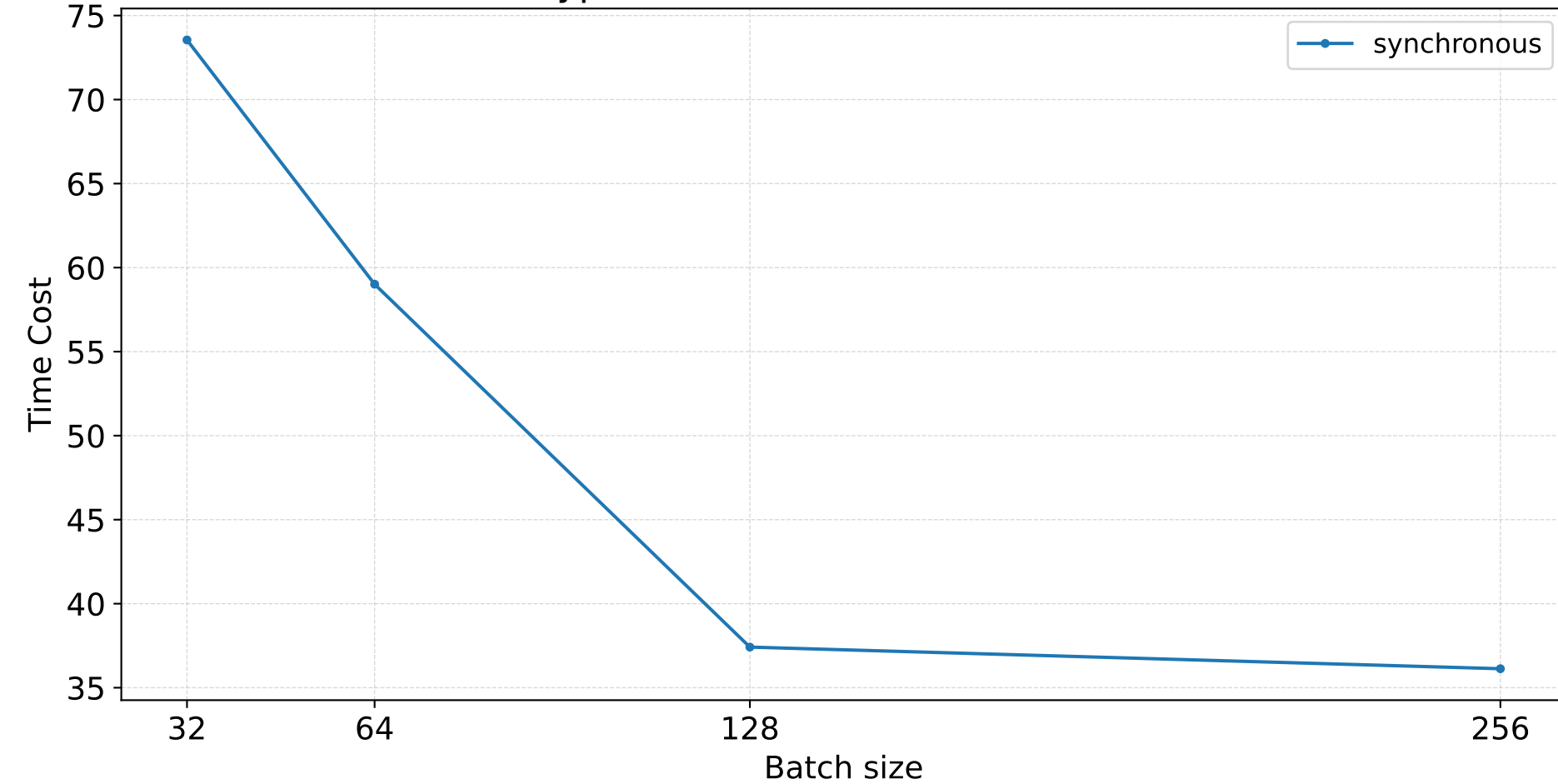


Num Clients : 40 ,  $\Theta$  : 5.0

Common Channel Communication Model

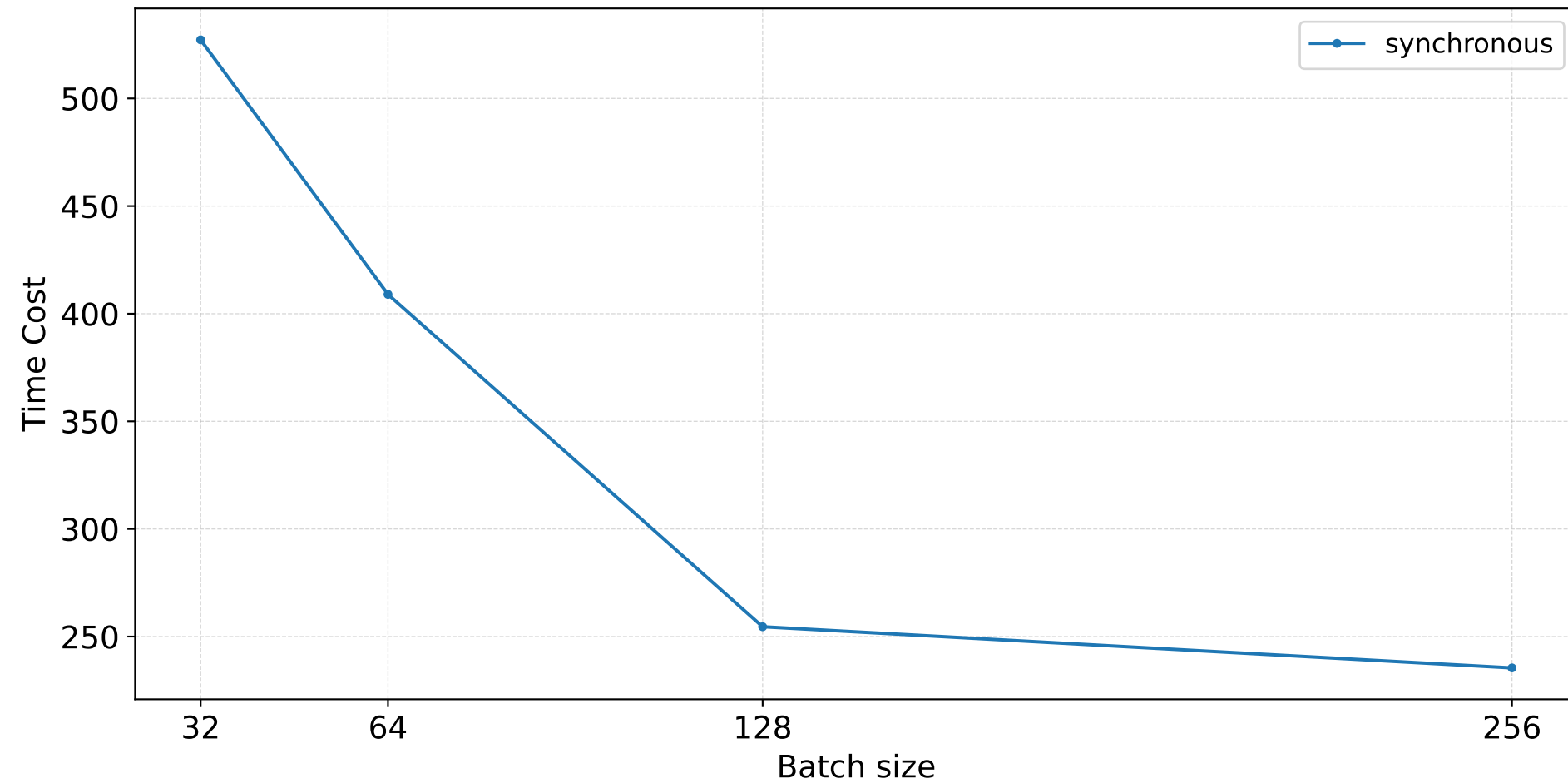


Hypercube Communication Model

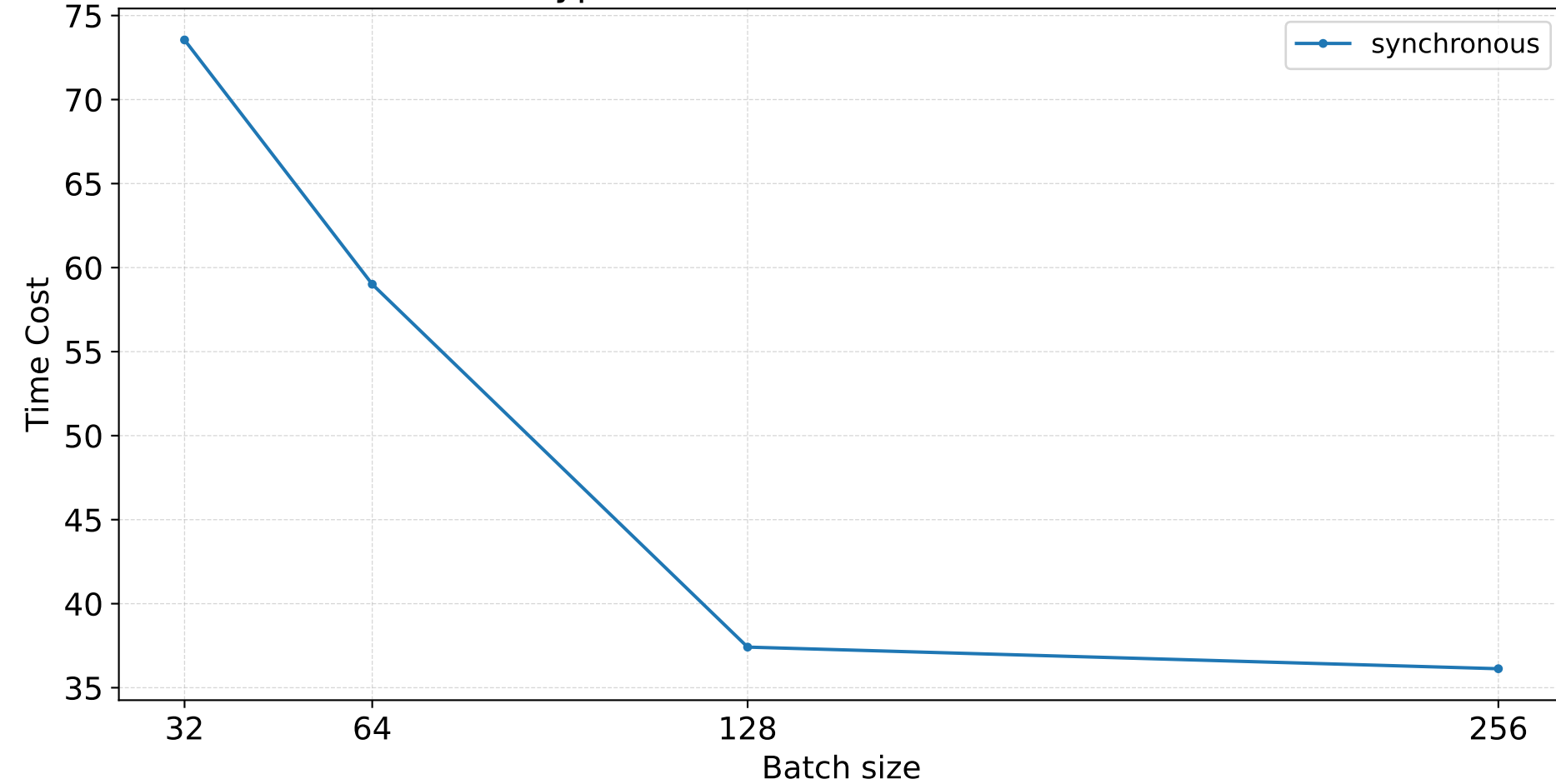


Num Clients : 40 ,  $\Theta$  : 7.0

Common Channel Communication Model

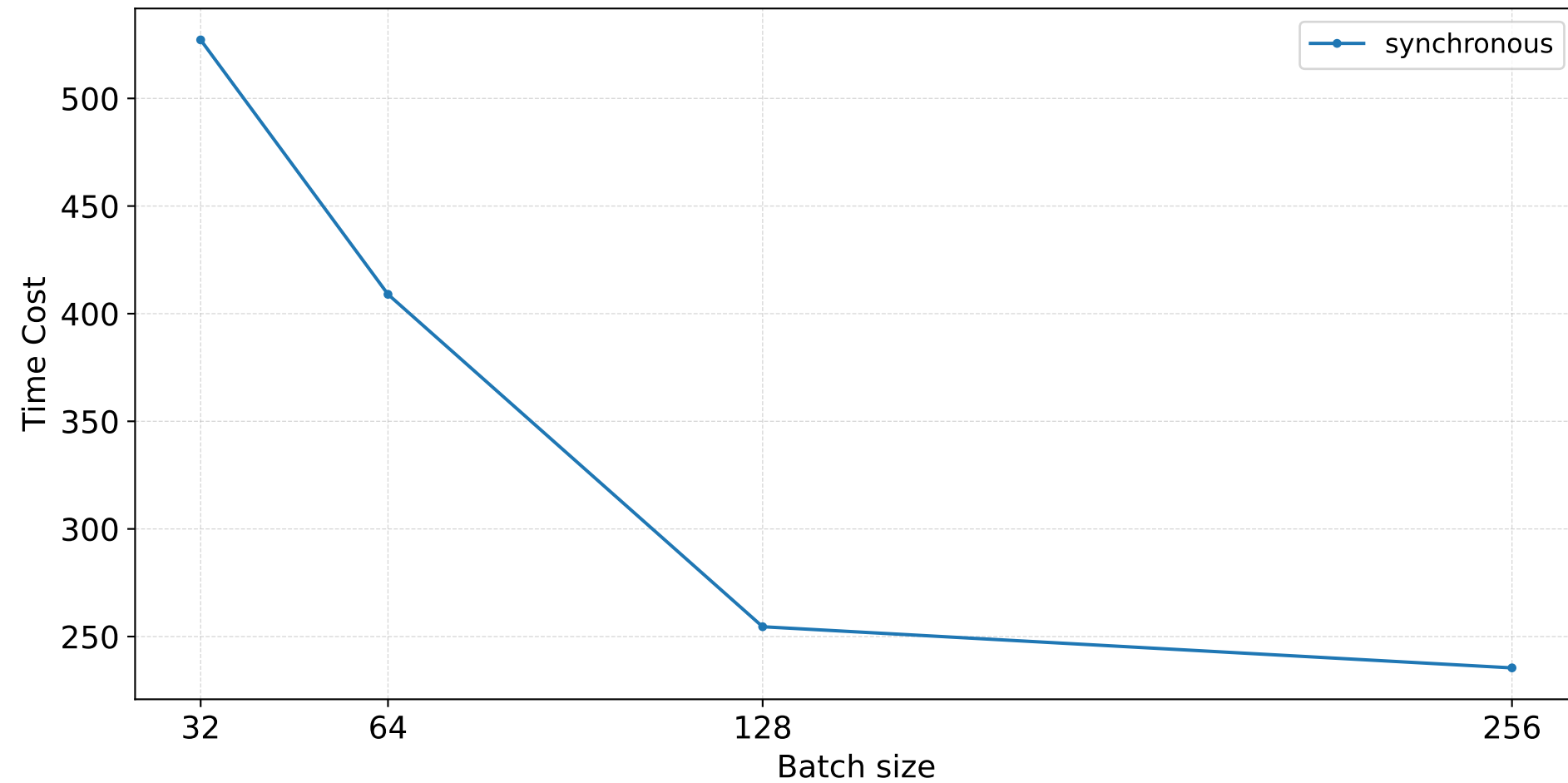


Hypercube Communication Model

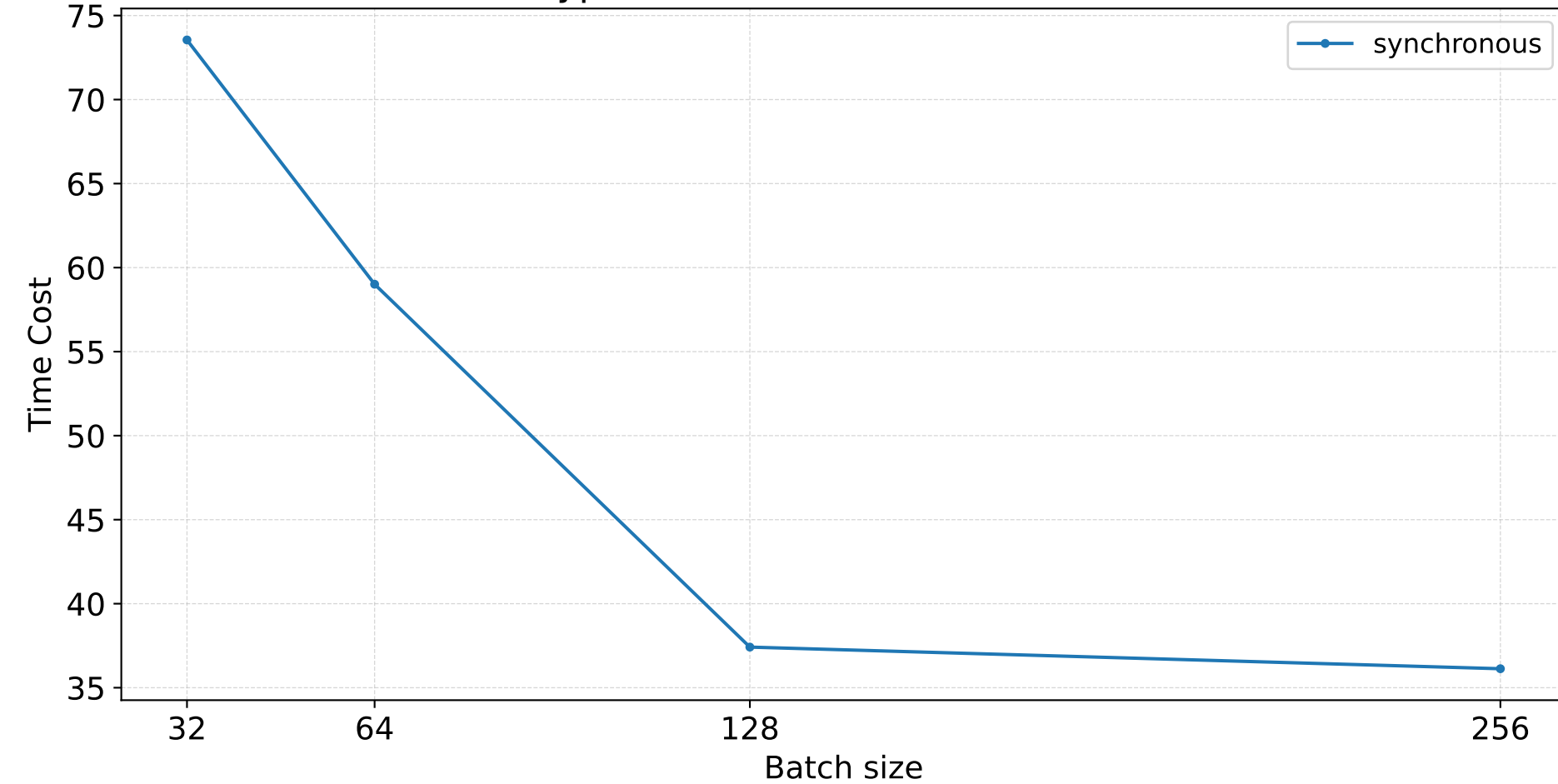


Num Clients : 40 ,  $\Theta$  : 10.0

Common Channel Communication Model

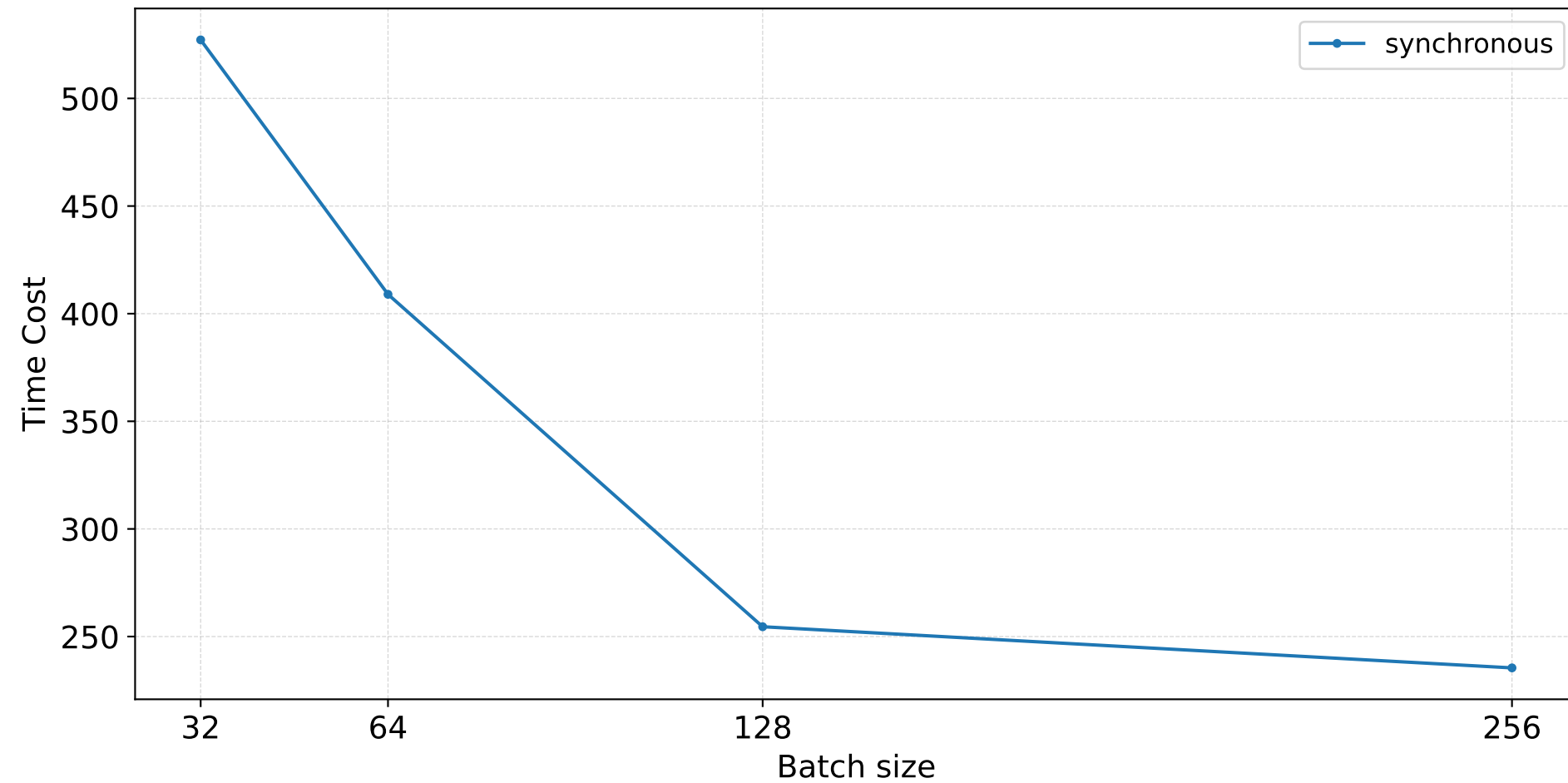


Hypercube Communication Model

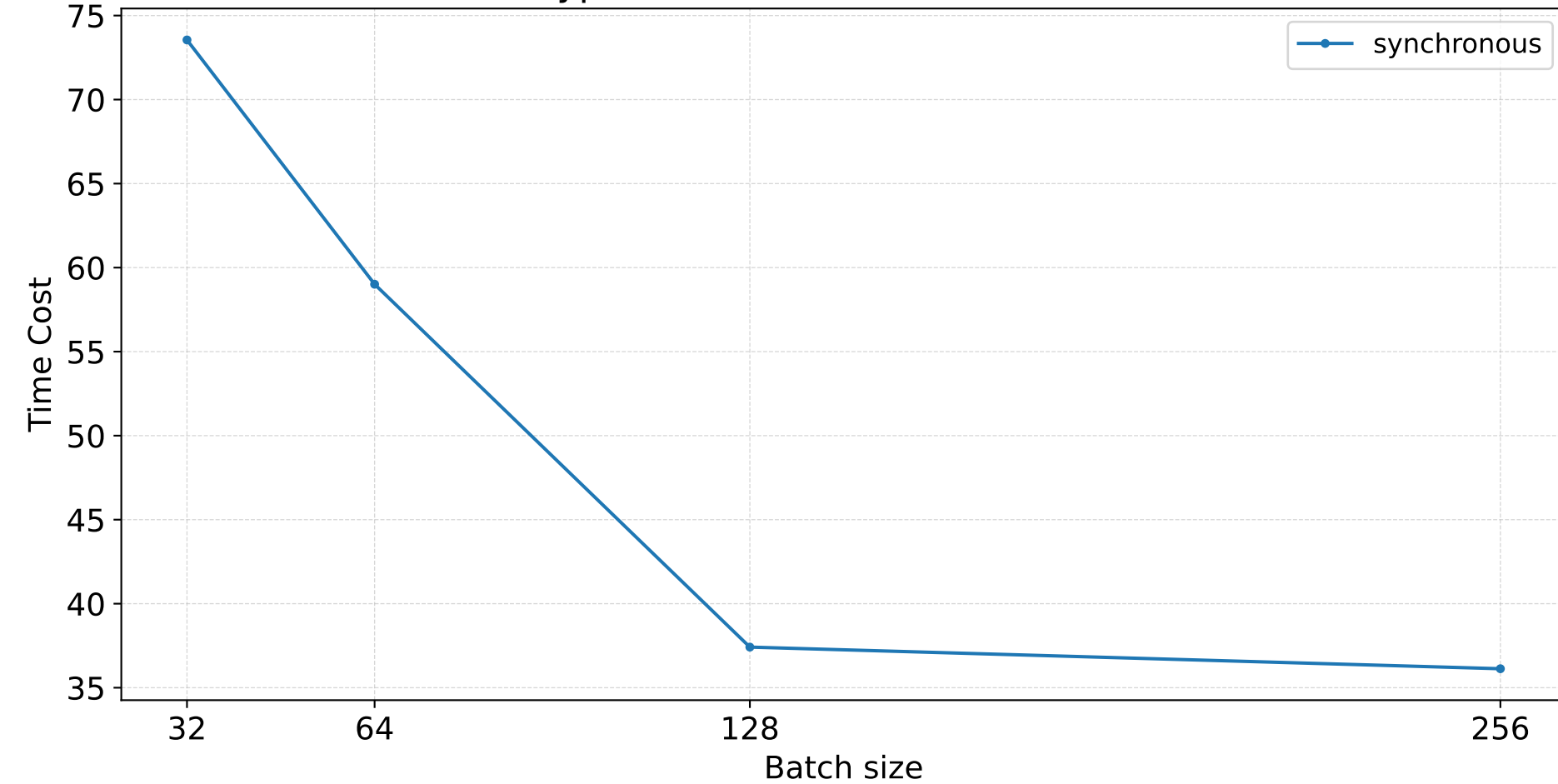


Num Clients : 40 ,  $\Theta$  : 12.0

Common Channel Communication Model

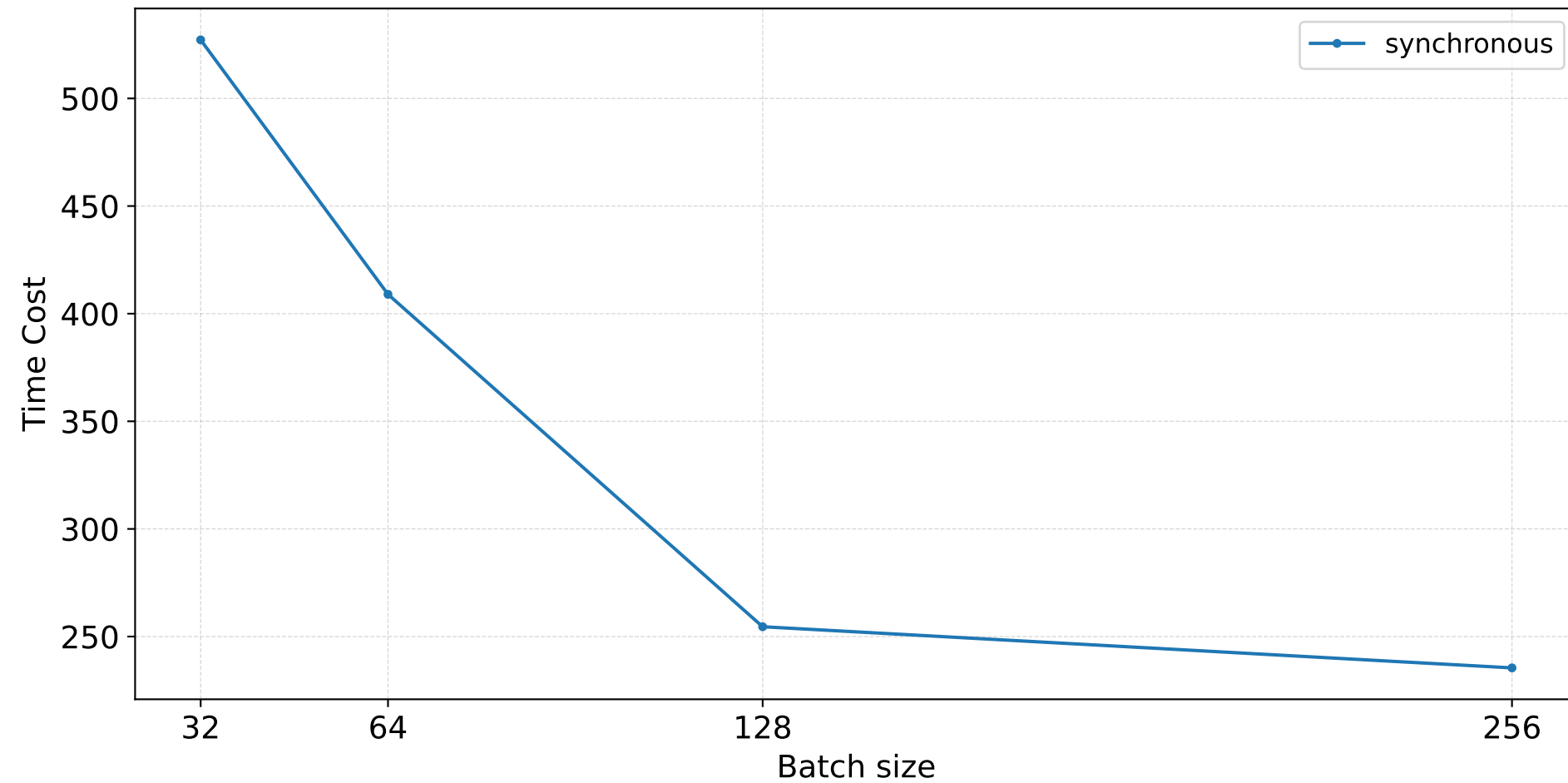


Hypercube Communication Model

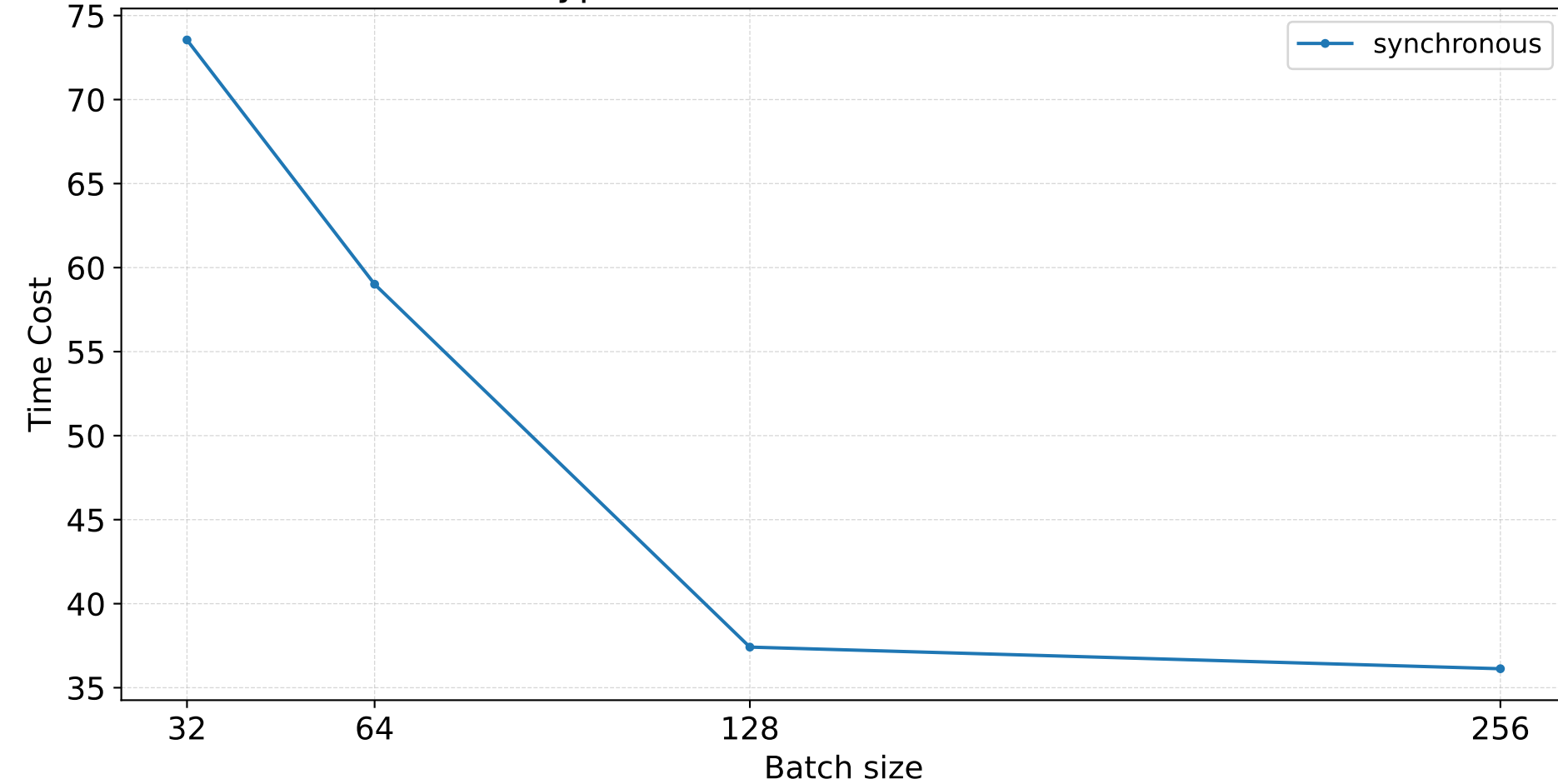


Num Clients : 40 ,  $\Theta$  : 15.0

Common Channel Communication Model



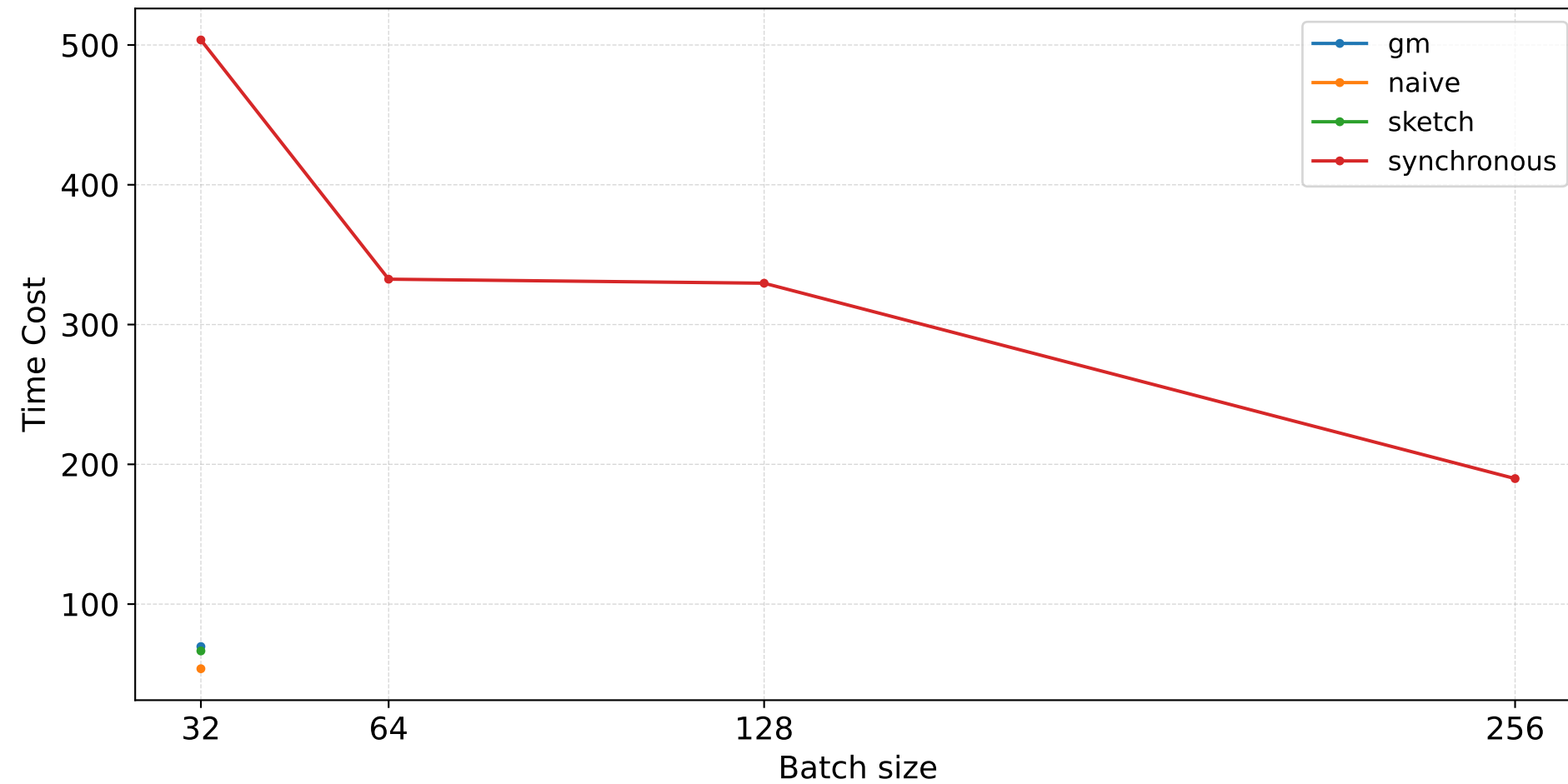
Hypercube Communication Model



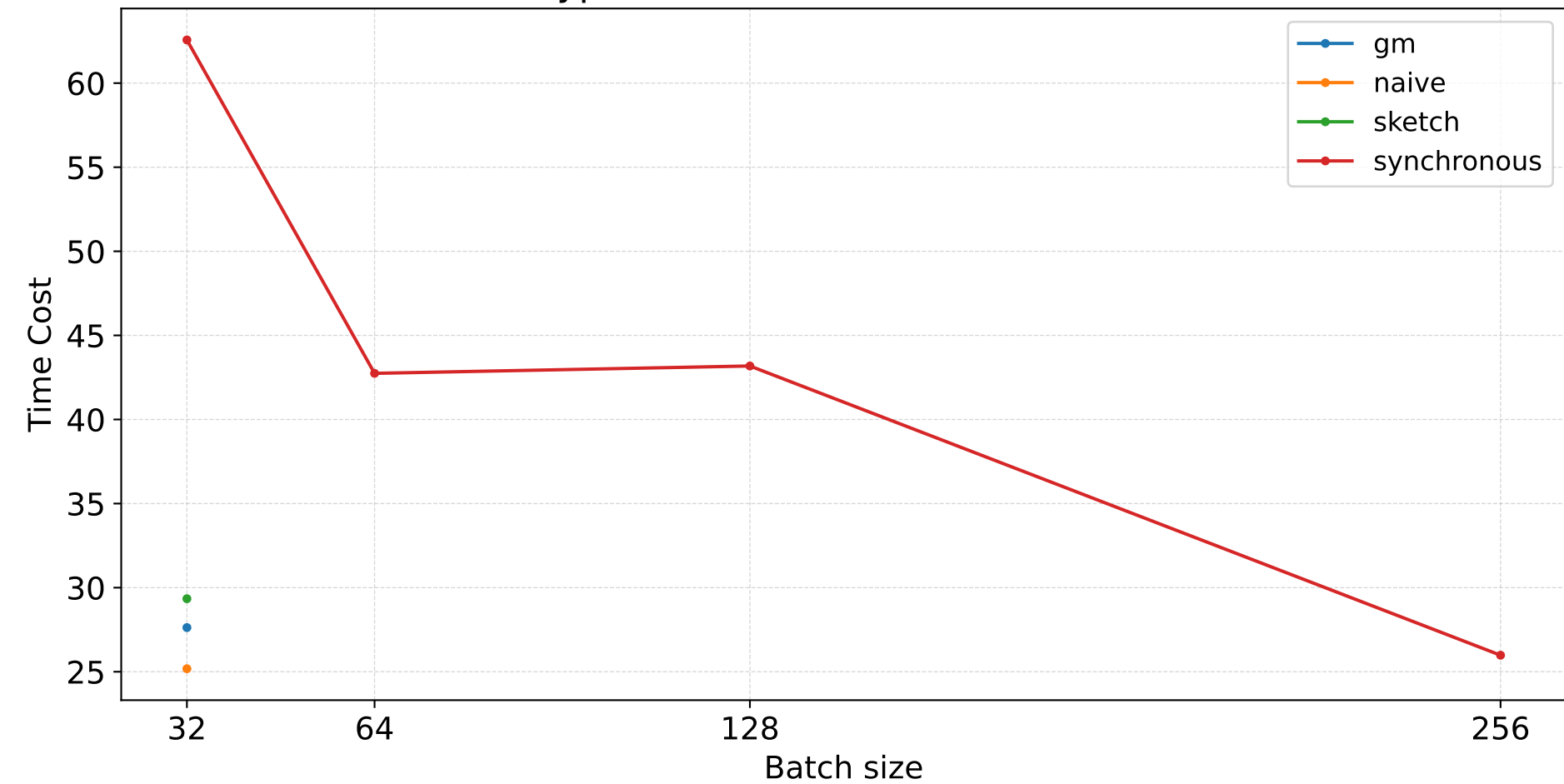


Num Clients : 45 ,  $\Theta$  : 0.5

Common Channel Communication Model

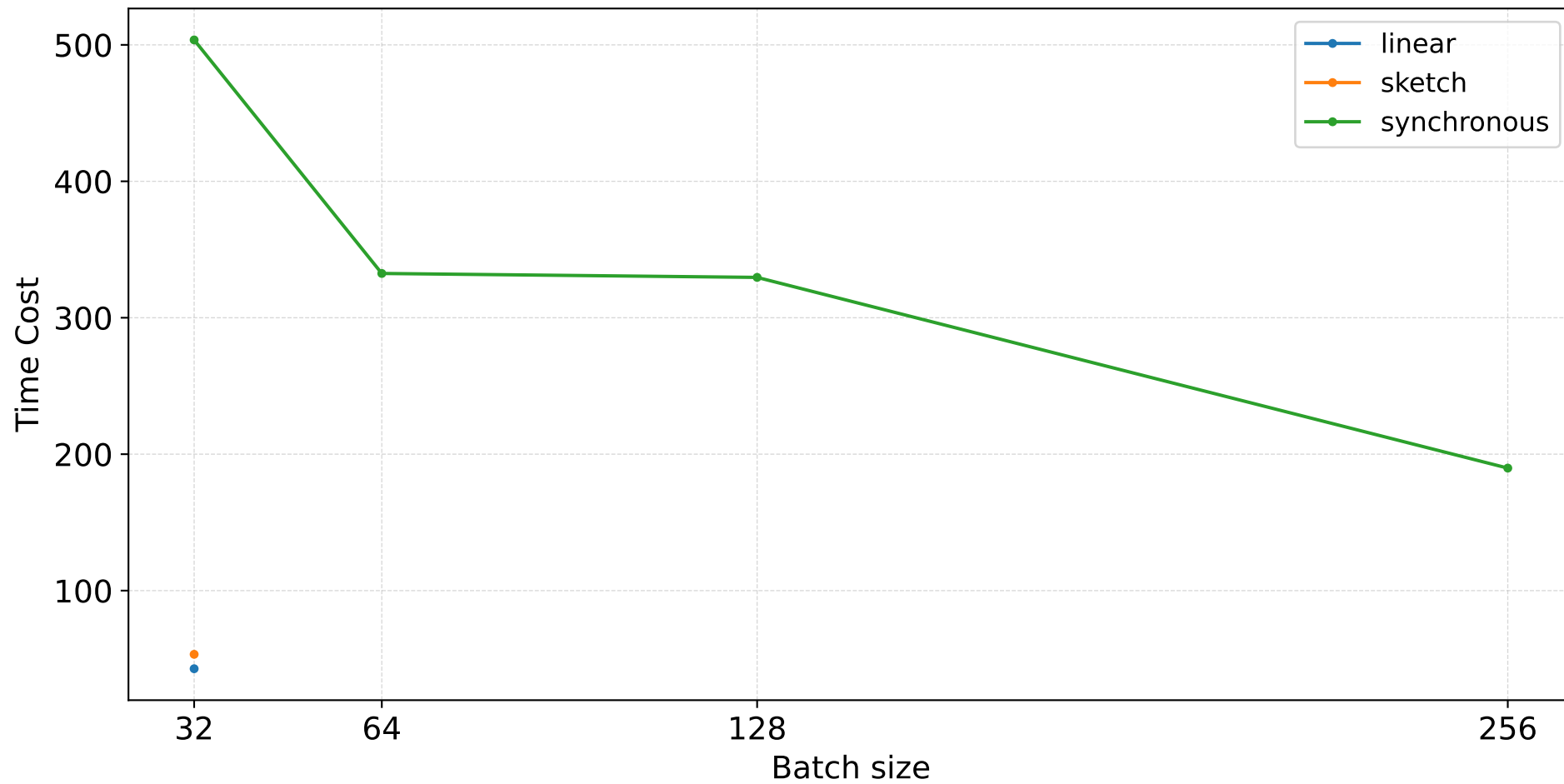


Hypercube Communication Model

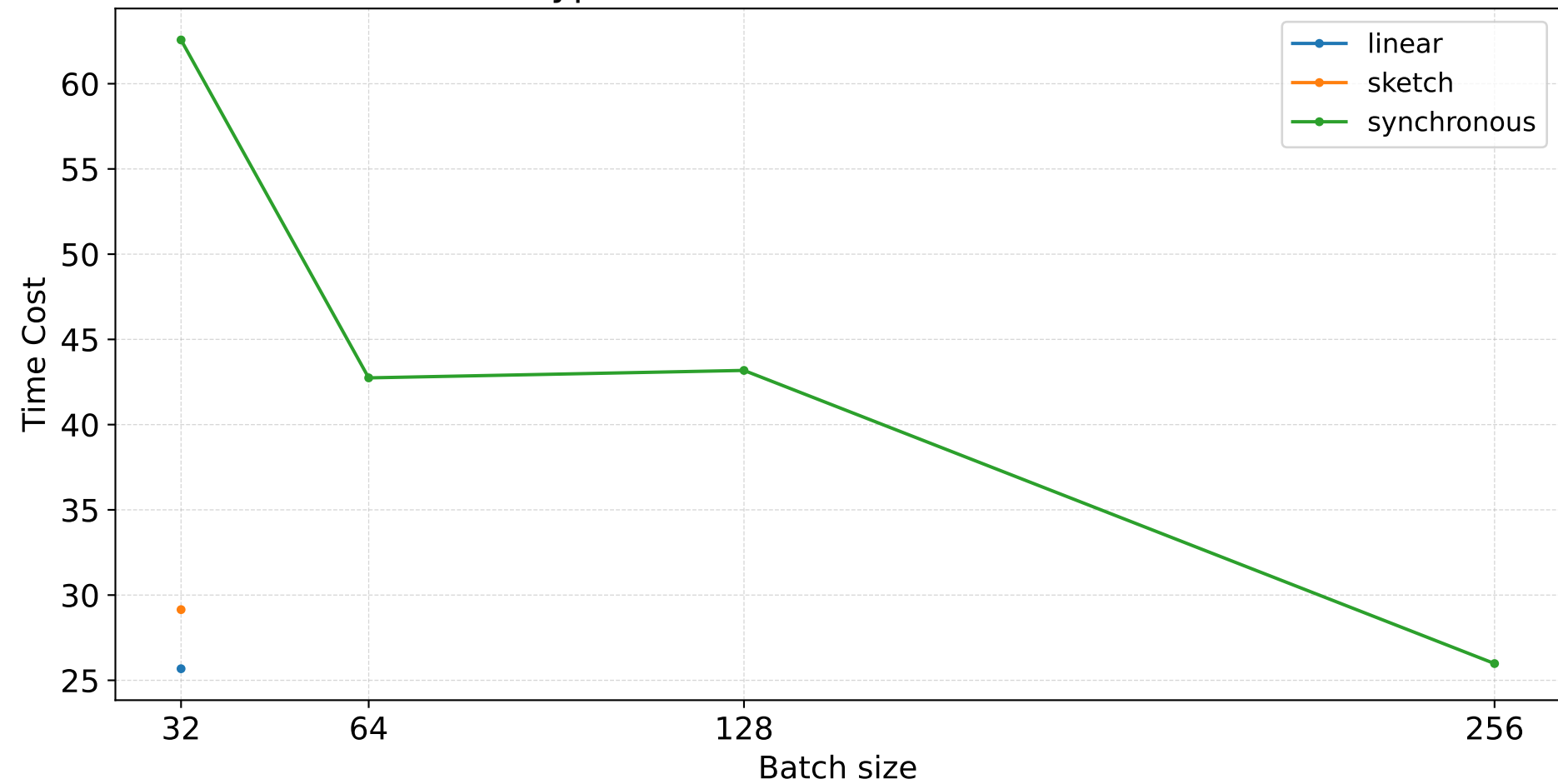


Num Clients : 45 ,  $\Theta$  : 1.0

Common Channel Communication Model

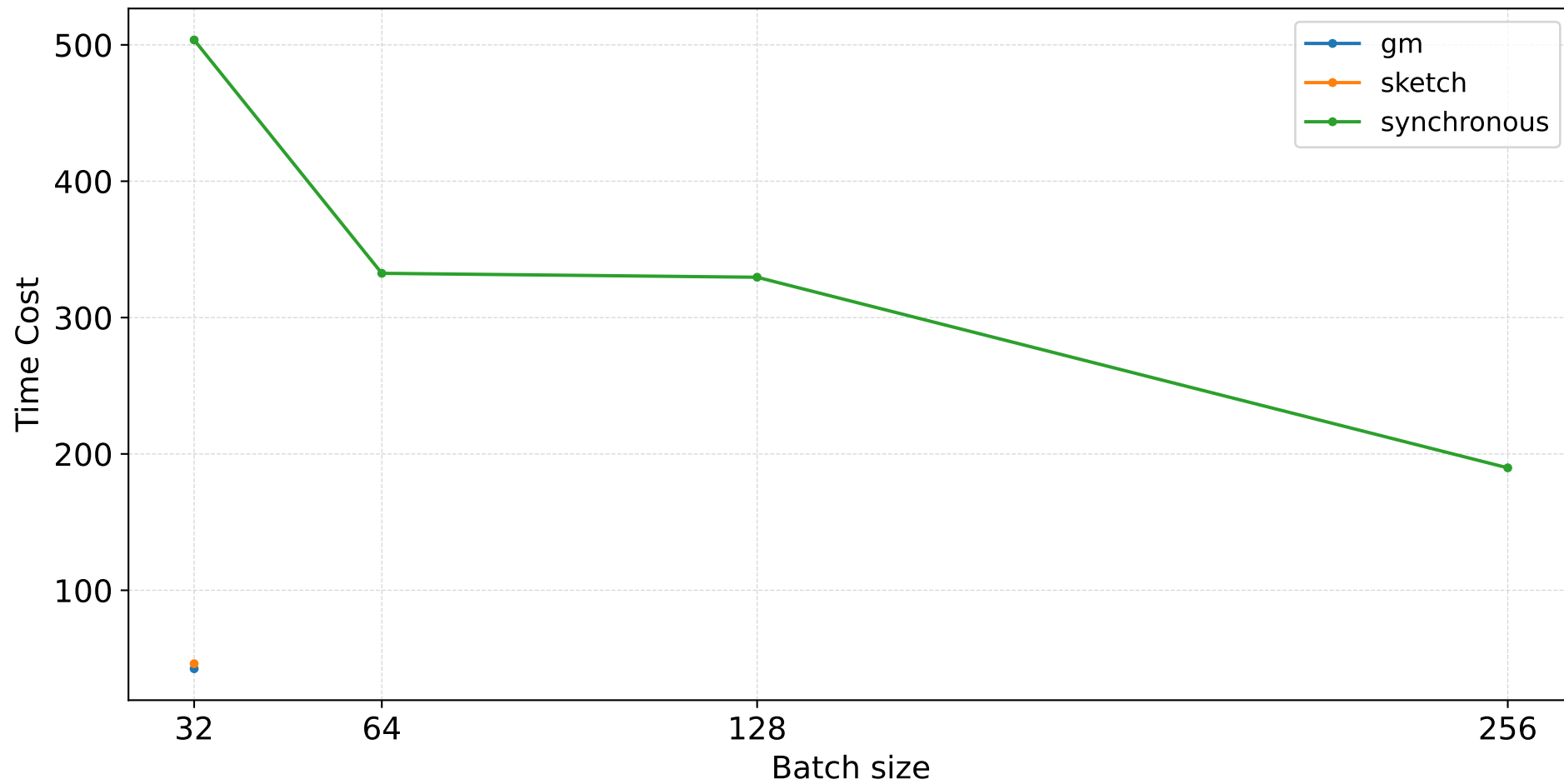


Hypercube Communication Model

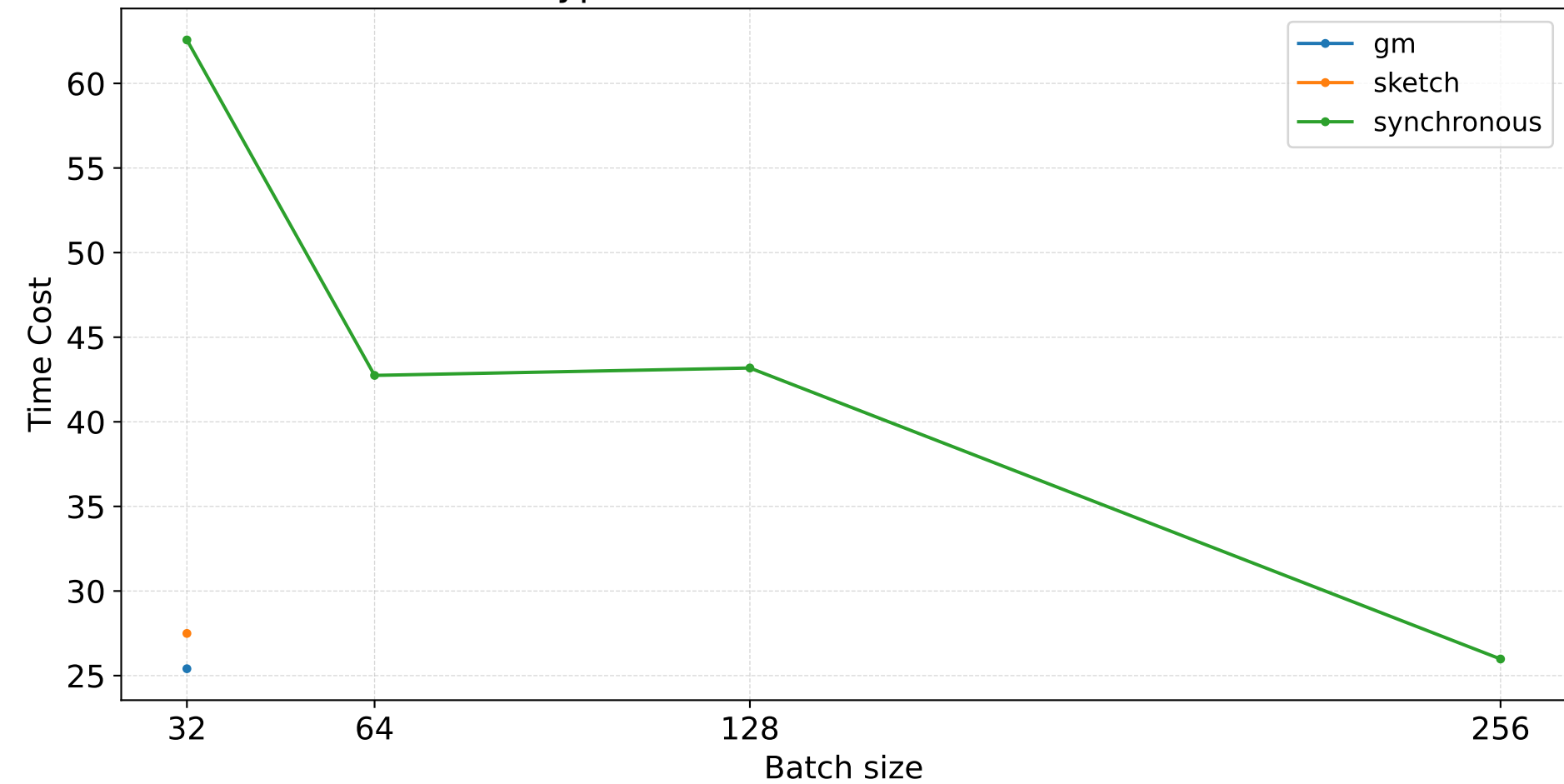


Num Clients : 45 ,  $\Theta$  : 1.5

Common Channel Communication Model

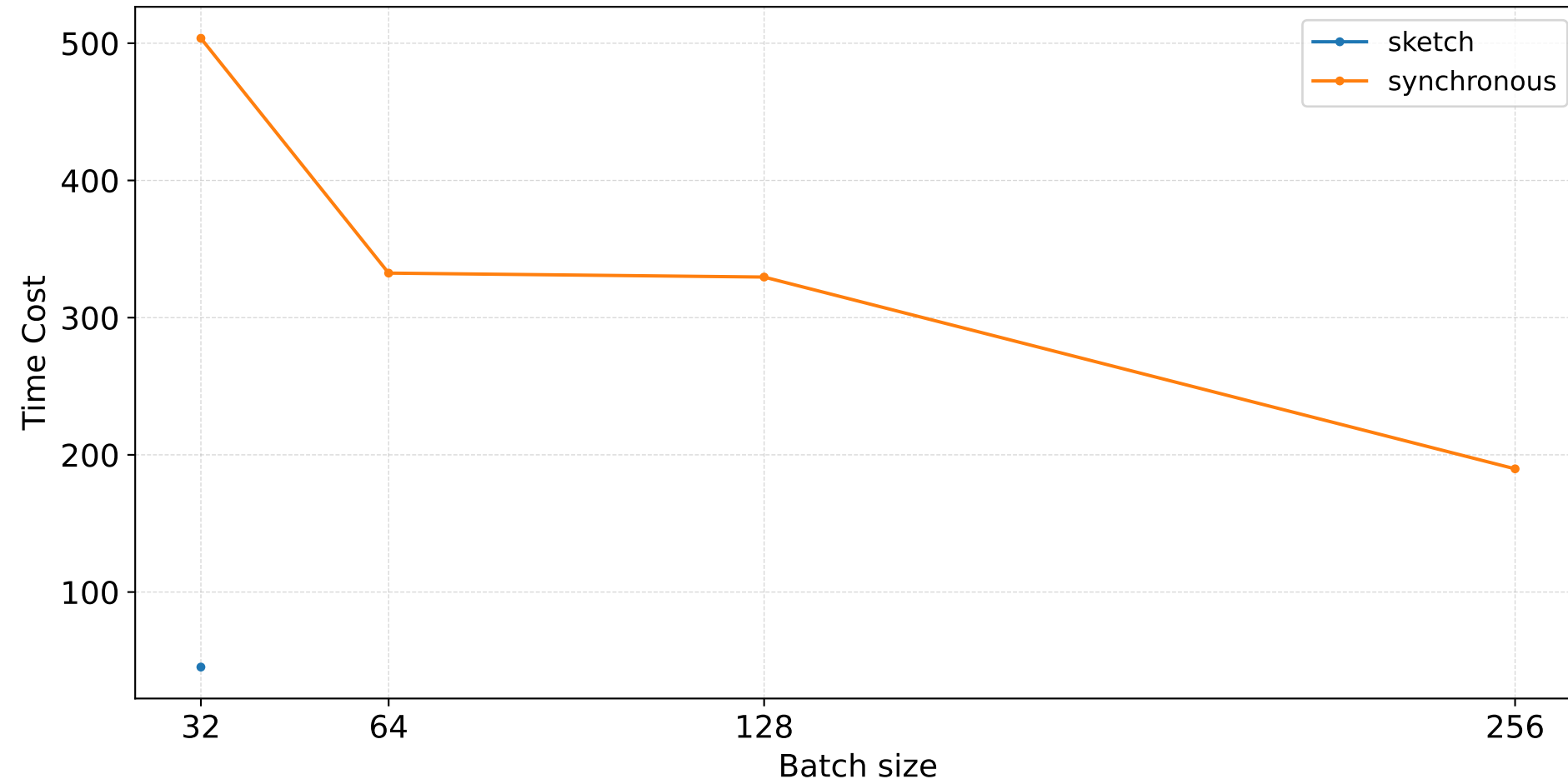


Hypercube Communication Model

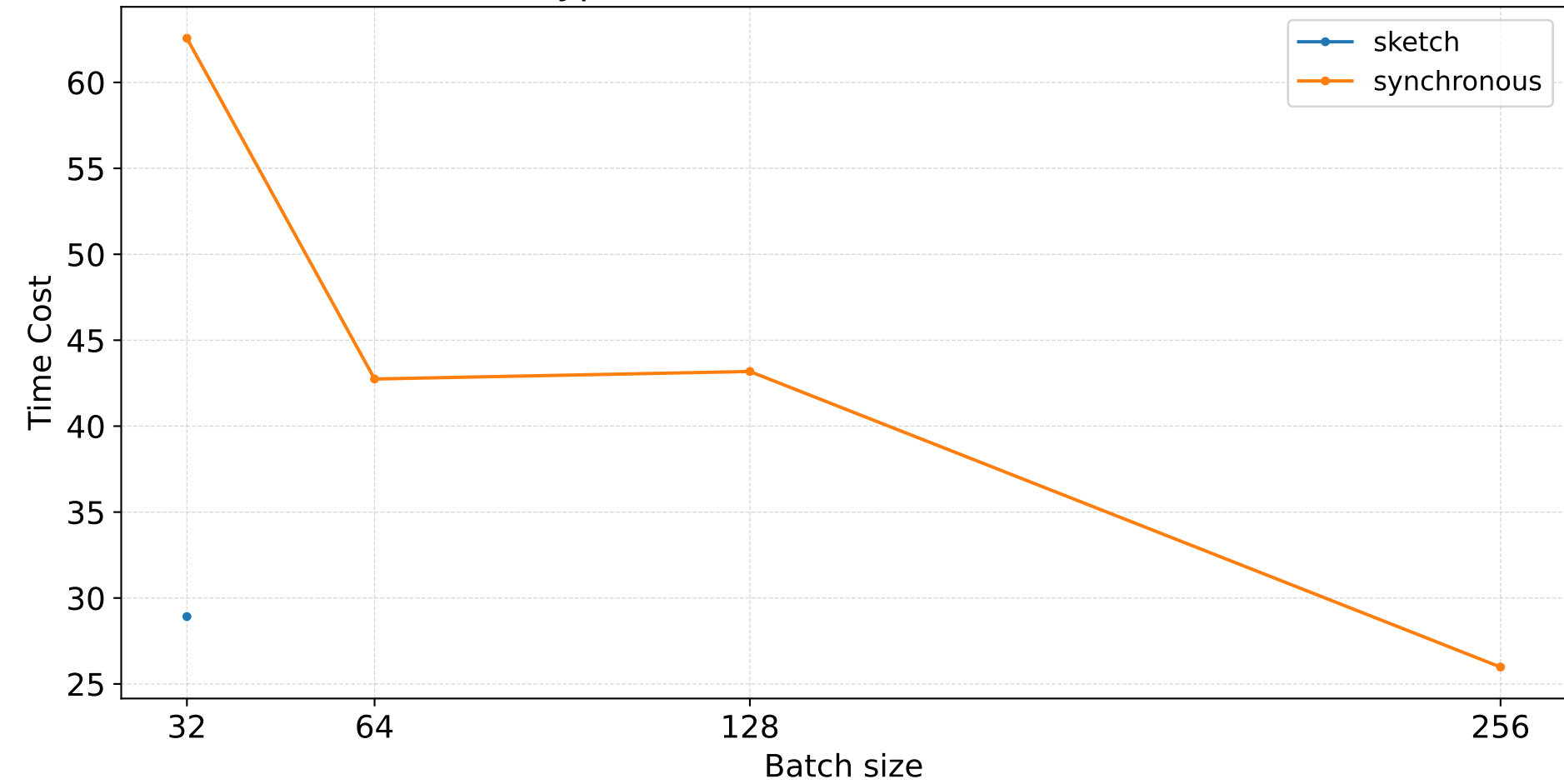


Num Clients : 45 ,  $\Theta$  : 2.0

Common Channel Communication Model

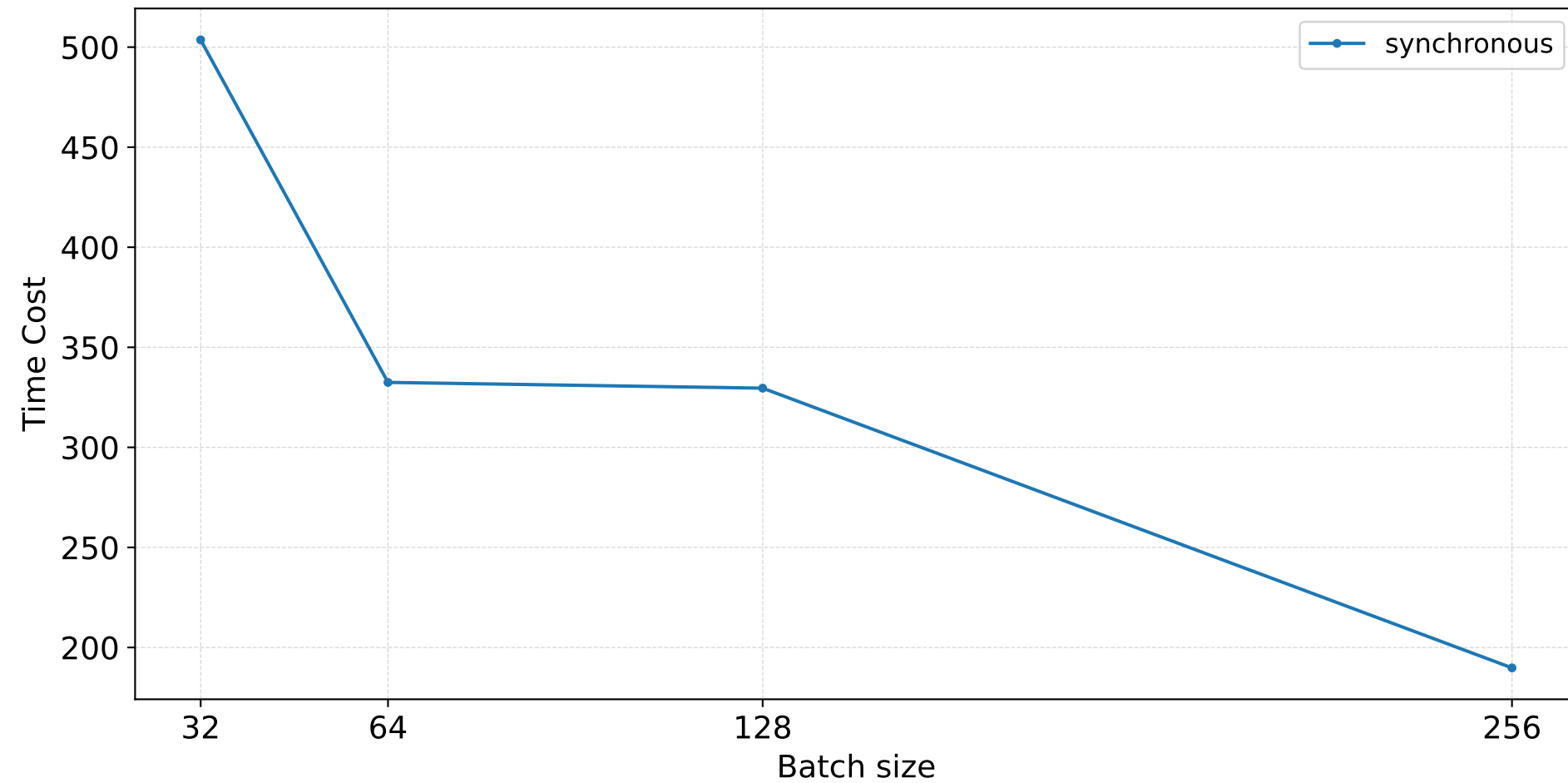


Hypercube Communication Model

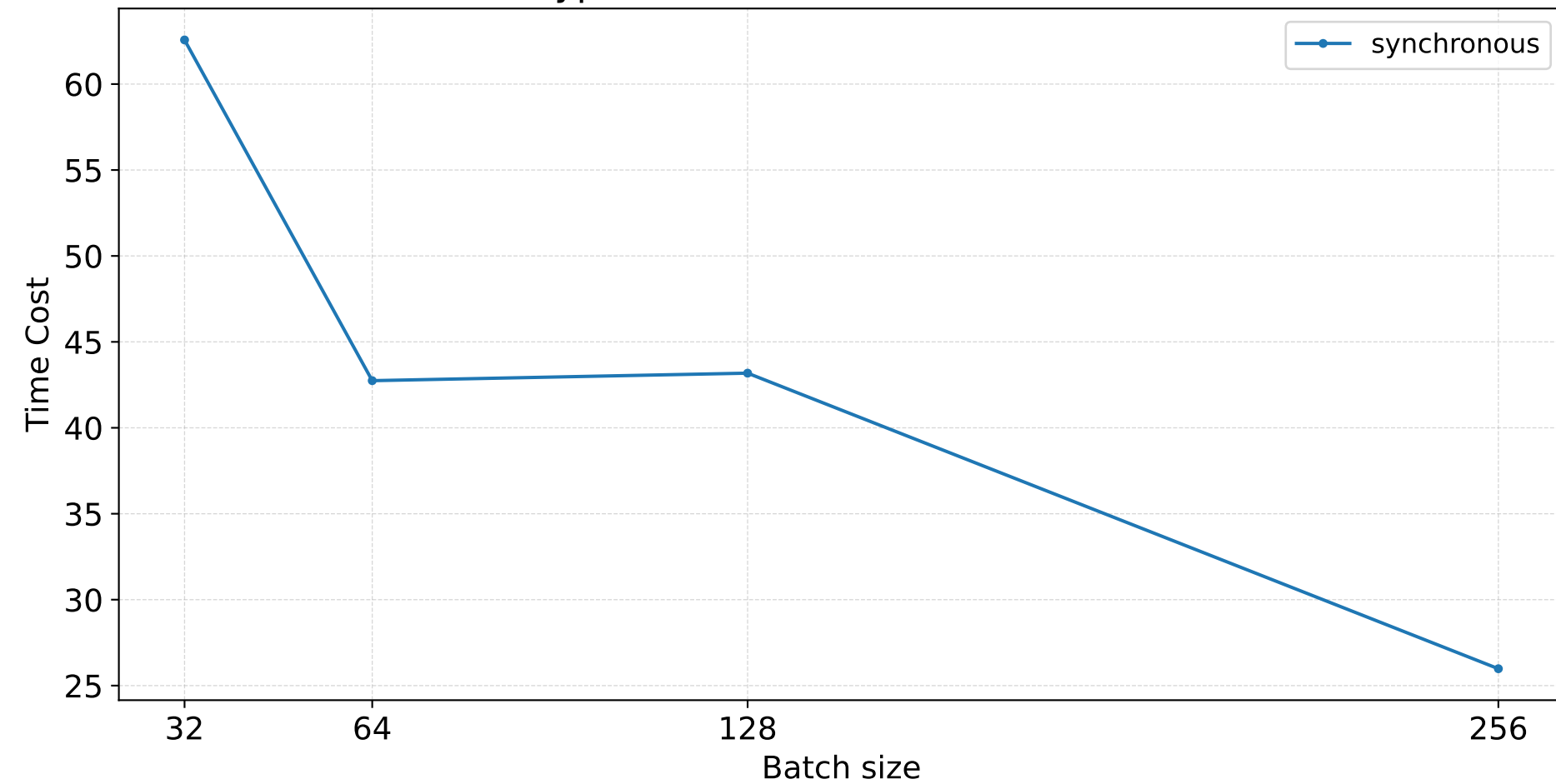


Num Clients : 45 ,  $\Theta$  : 3.0

Common Channel Communication Model

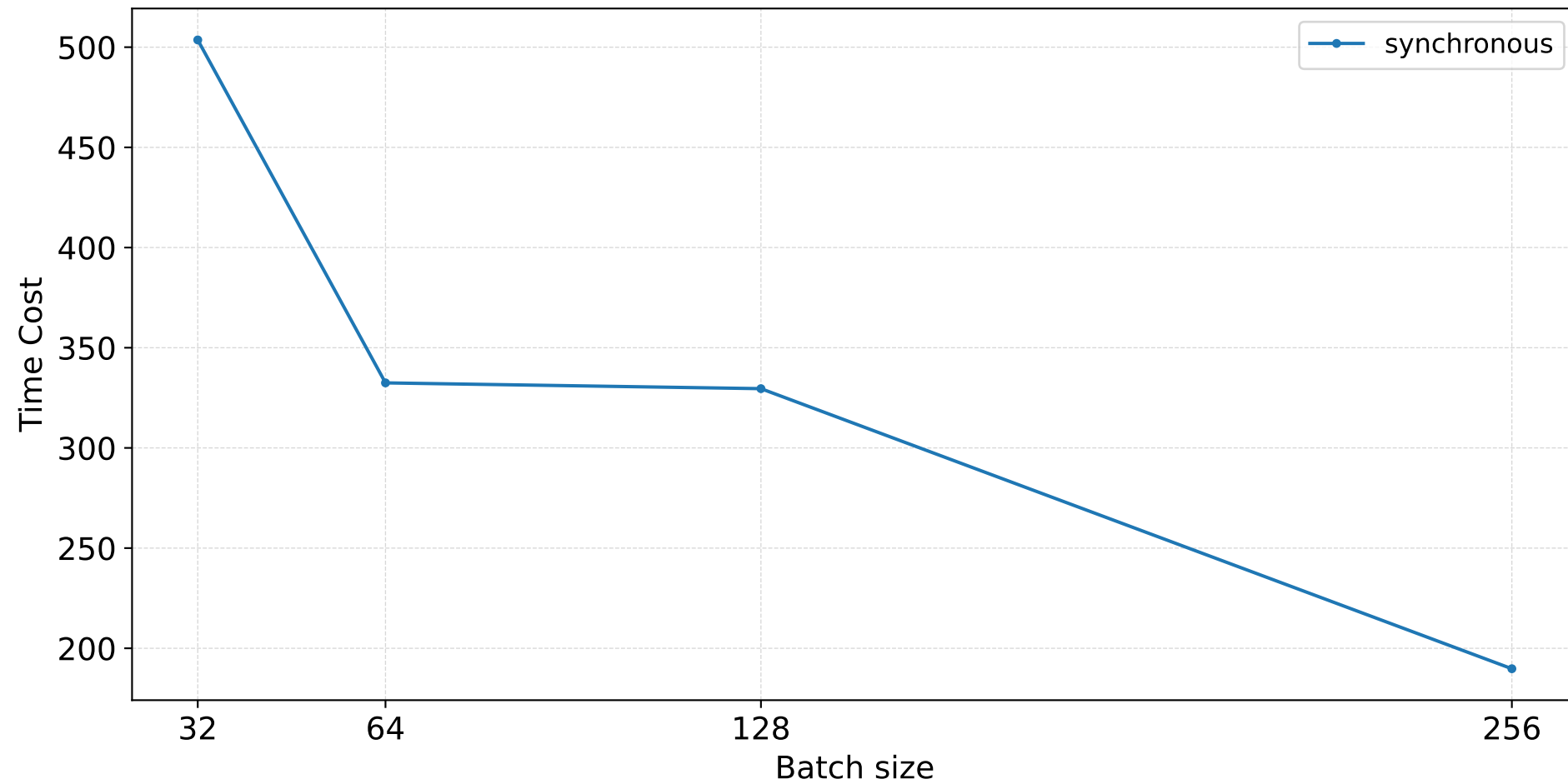


Hypercube Communication Model

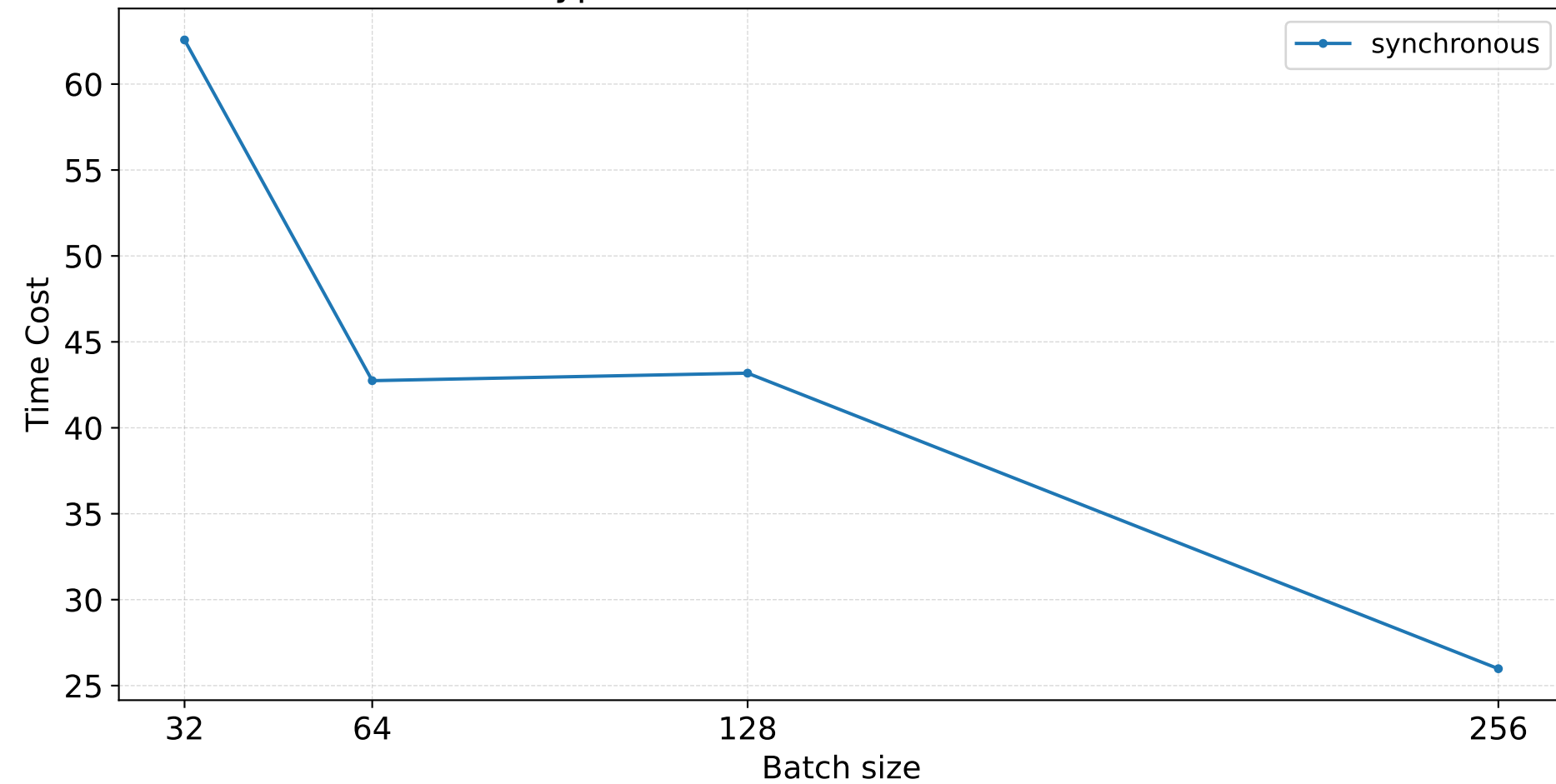


Num Clients : 45 ,  $\Theta$  : 5.0

Common Channel Communication Model

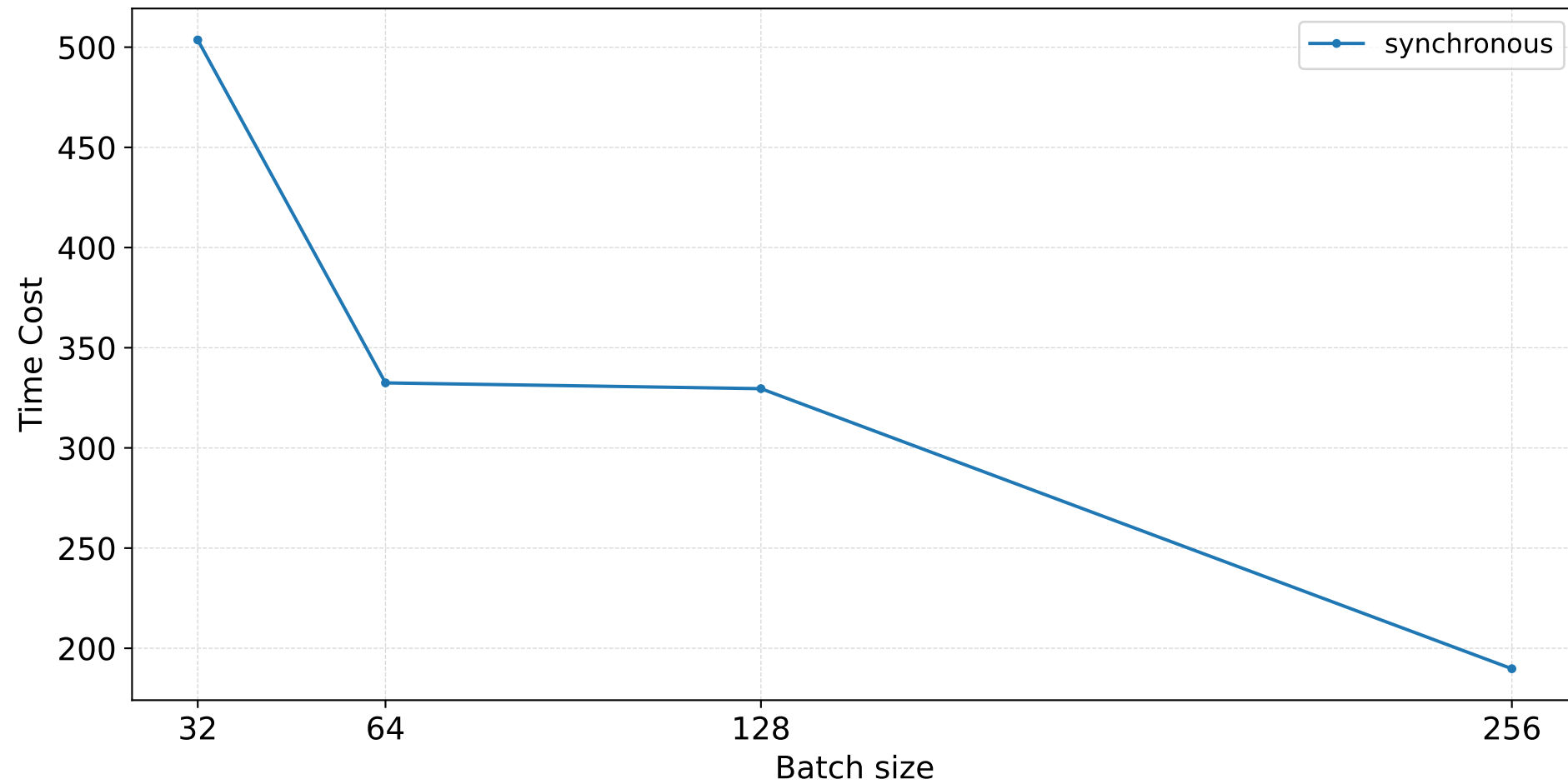


Hypercube Communication Model

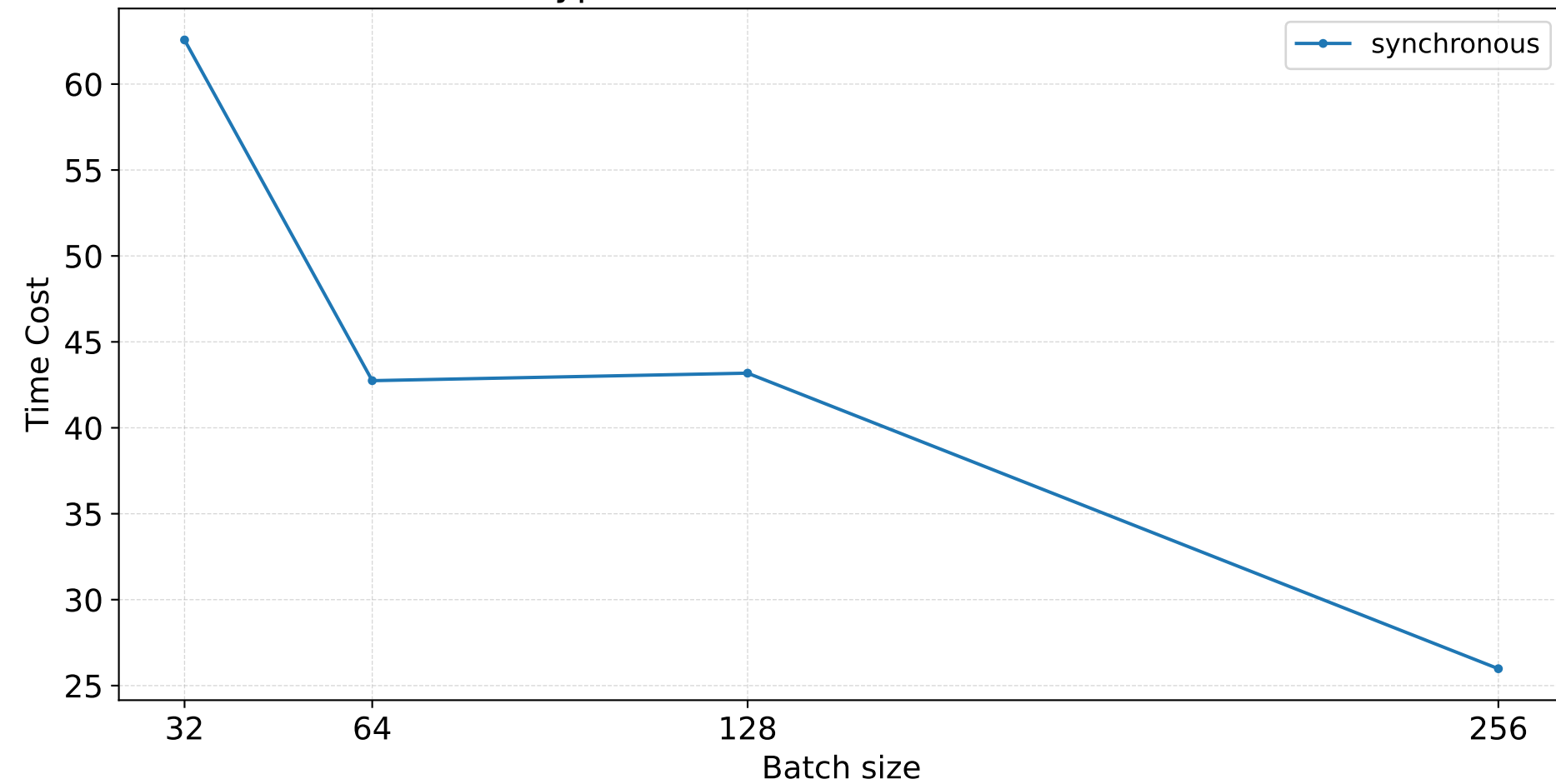


Num Clients : 45 ,  $\Theta$  : 7.0

Common Channel Communication Model

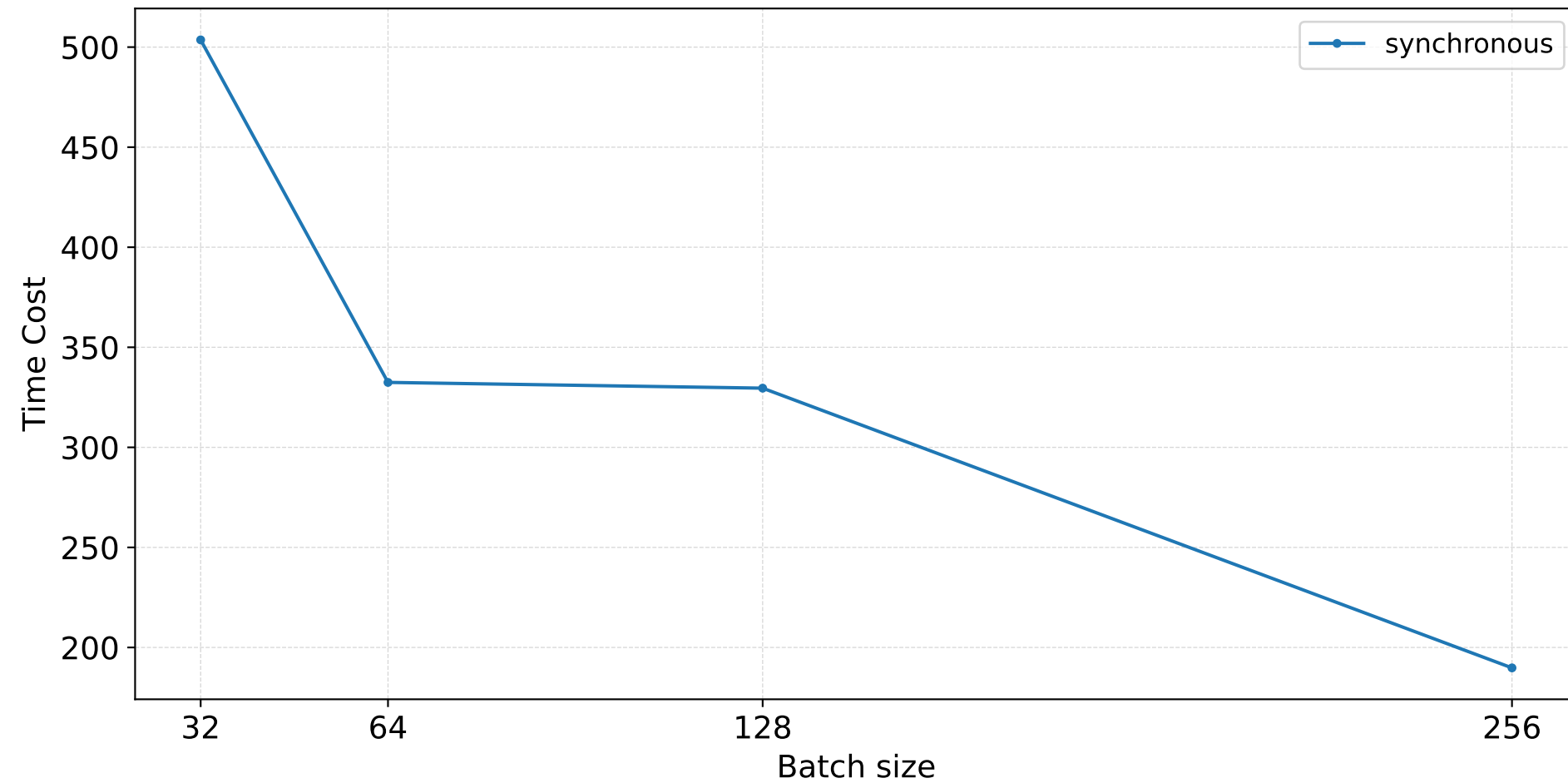


Hypercube Communication Model

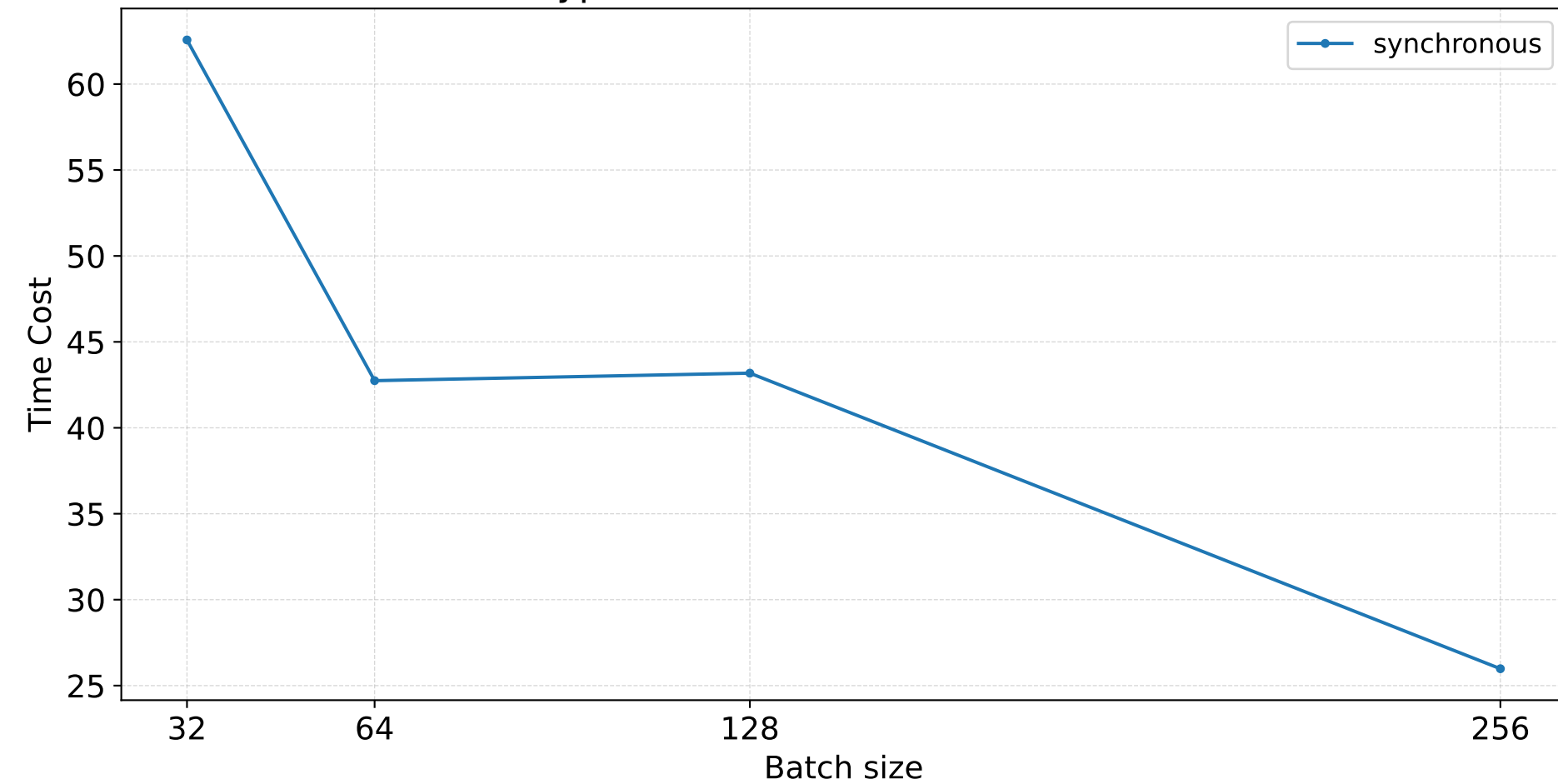


Num Clients : 45 ,  $\Theta$  : 10.0

Common Channel Communication Model



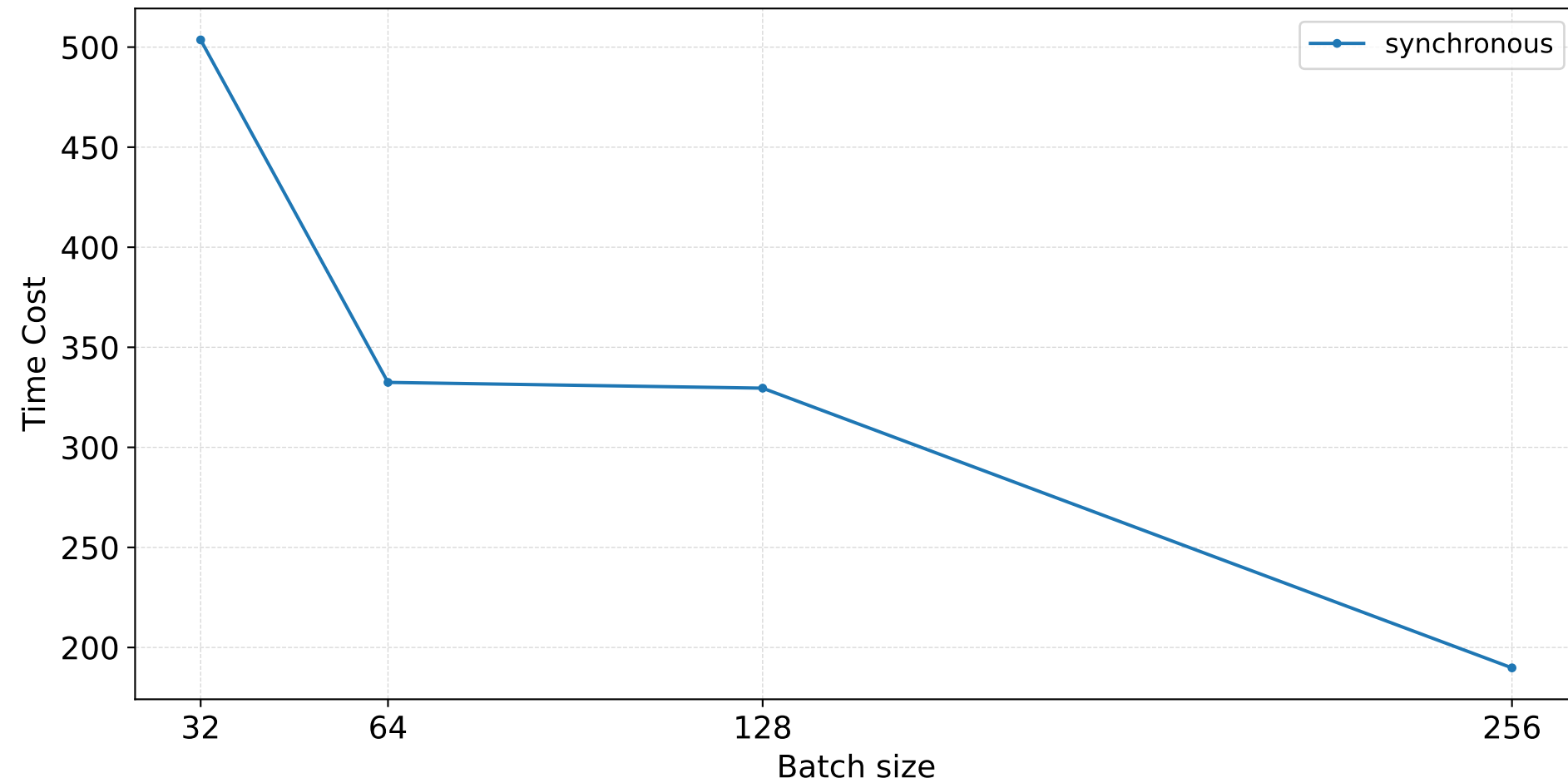
Hypercube Communication Model



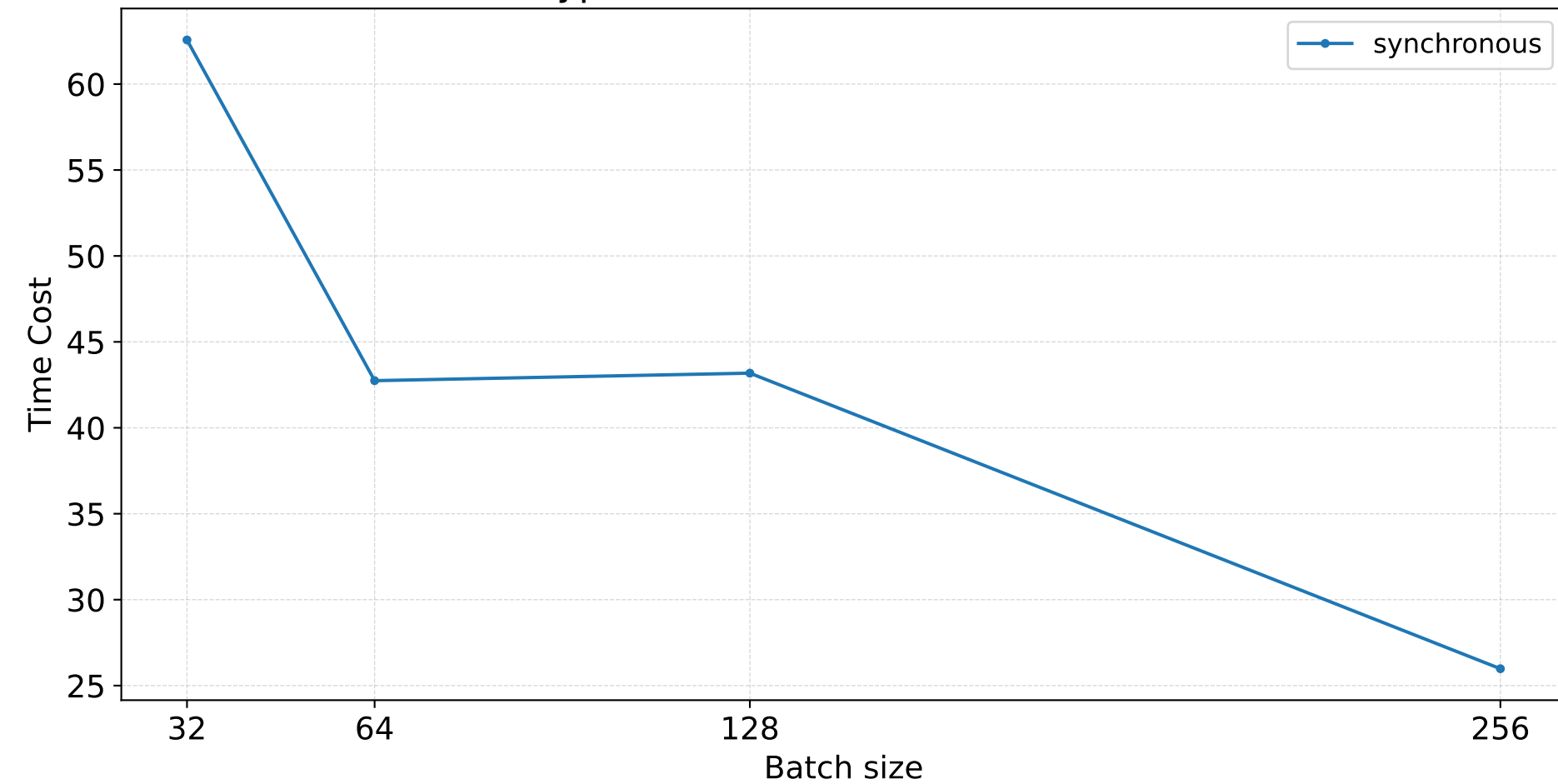


Num Clients : 45 ,  $\Theta$  : 12.0

Common Channel Communication Model

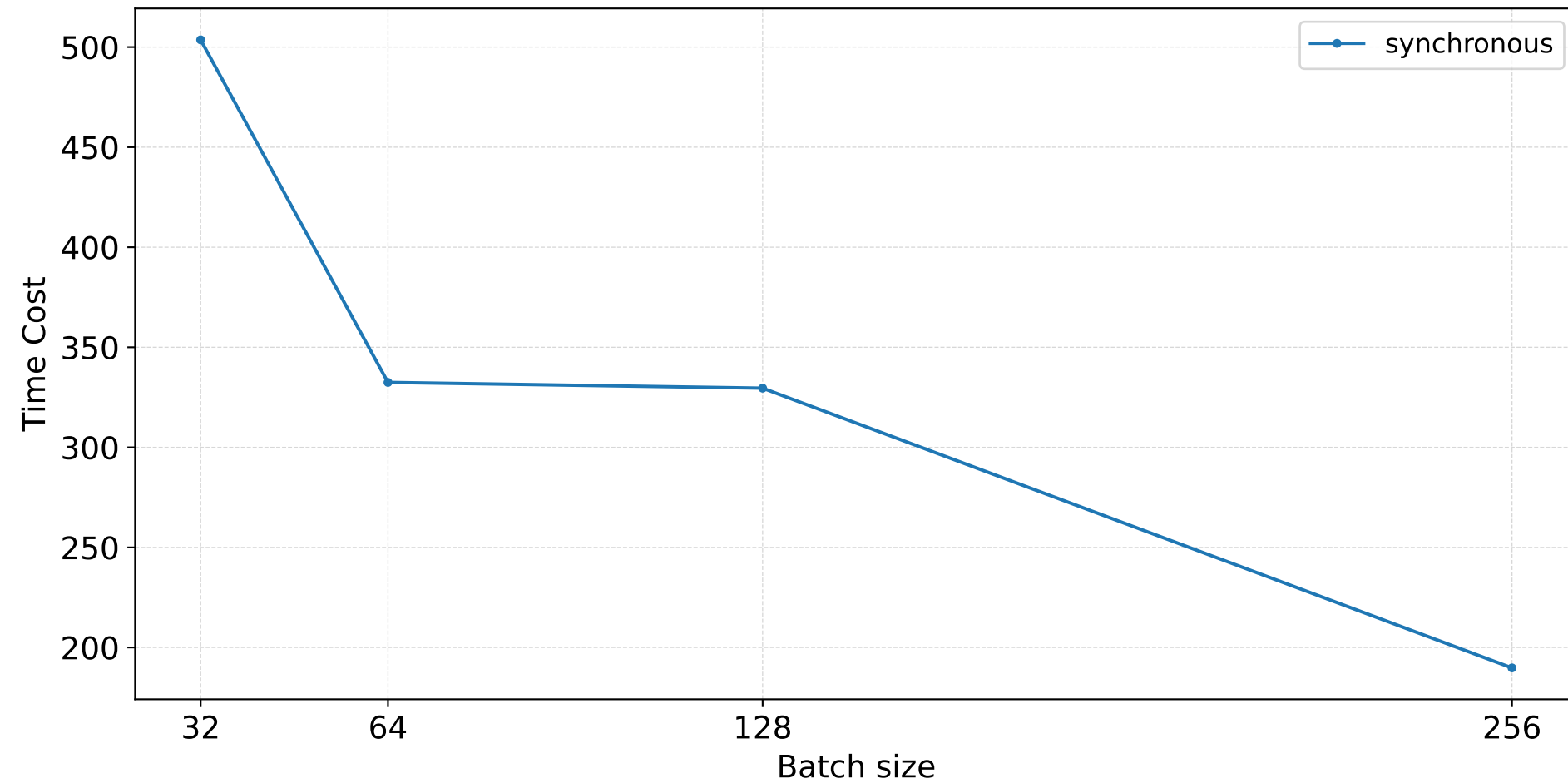


Hypercube Communication Model

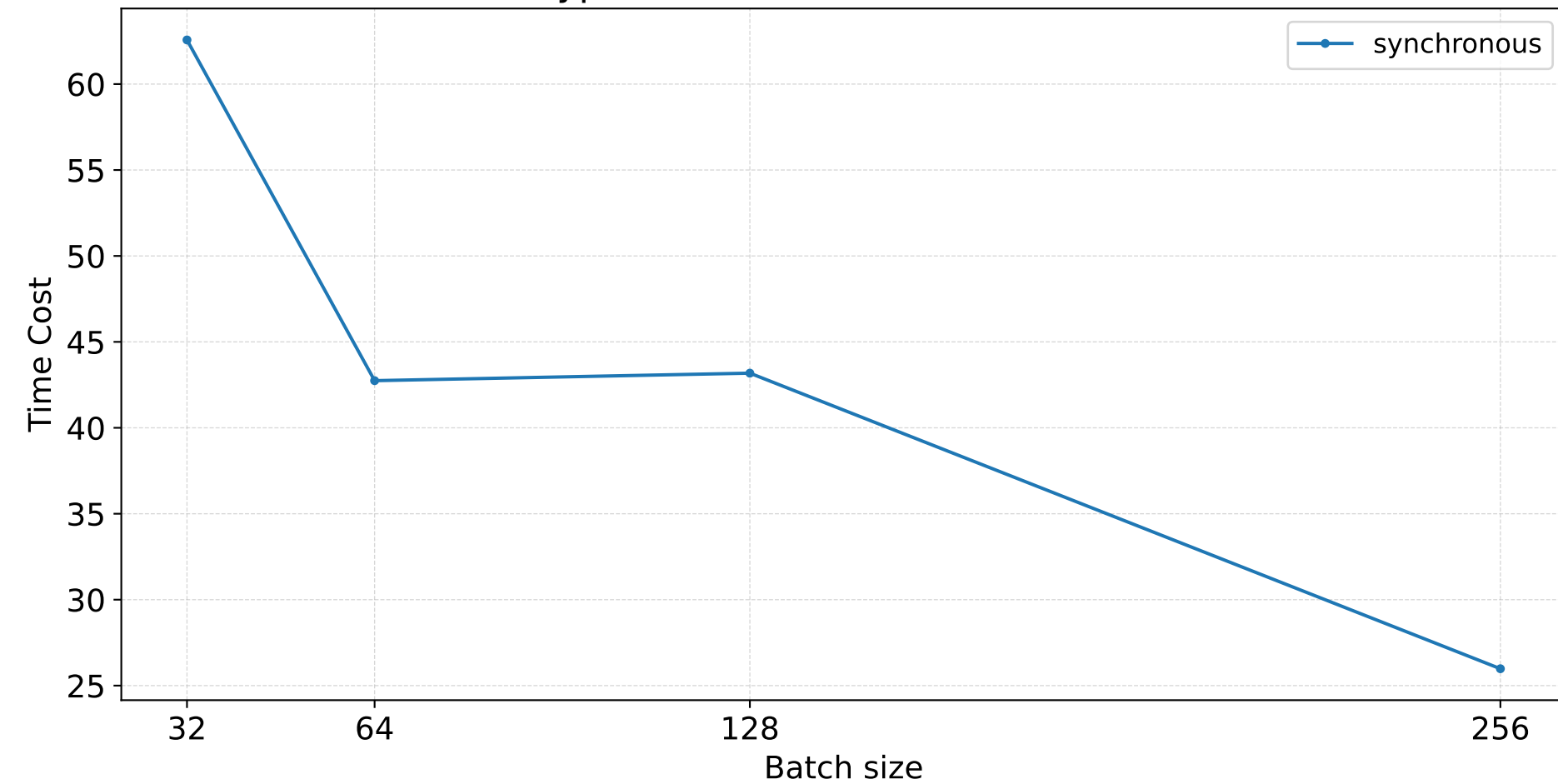


Num Clients : 45 ,  $\Theta$  : 15.0

Common Channel Communication Model

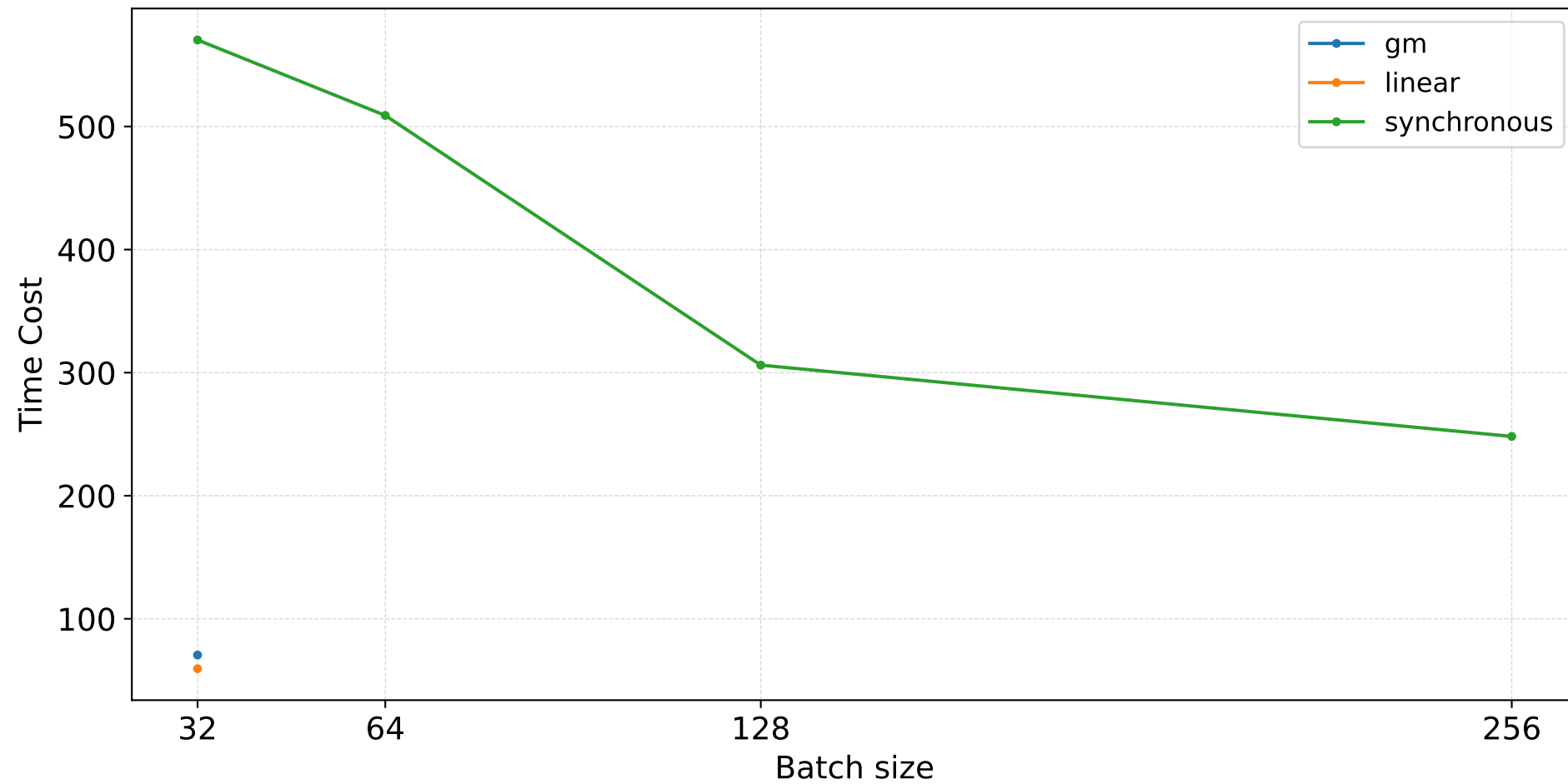


Hypercube Communication Model

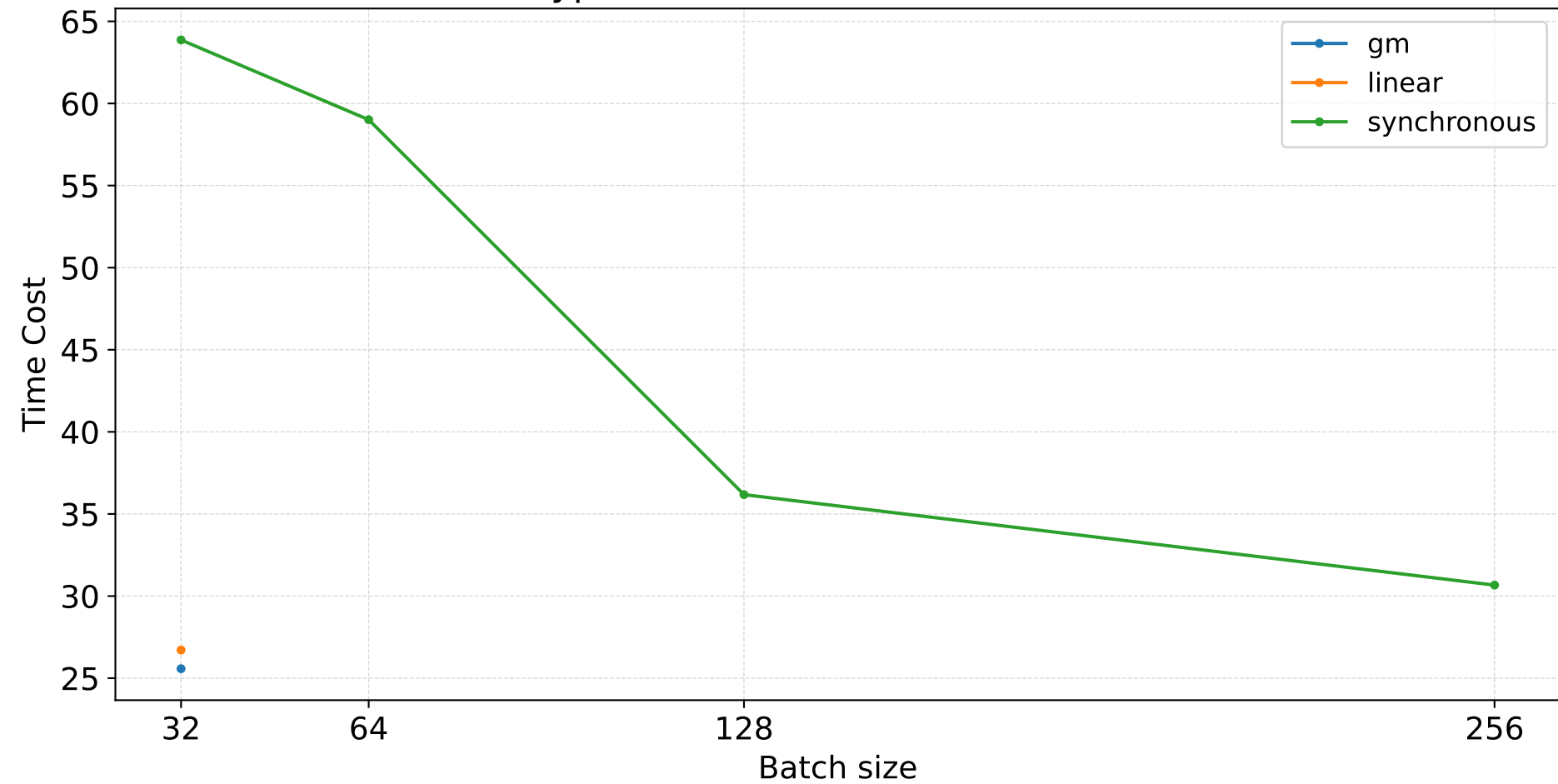


Num Clients : 50 ,  $\Theta$  : 0.5

Common Channel Communication Model

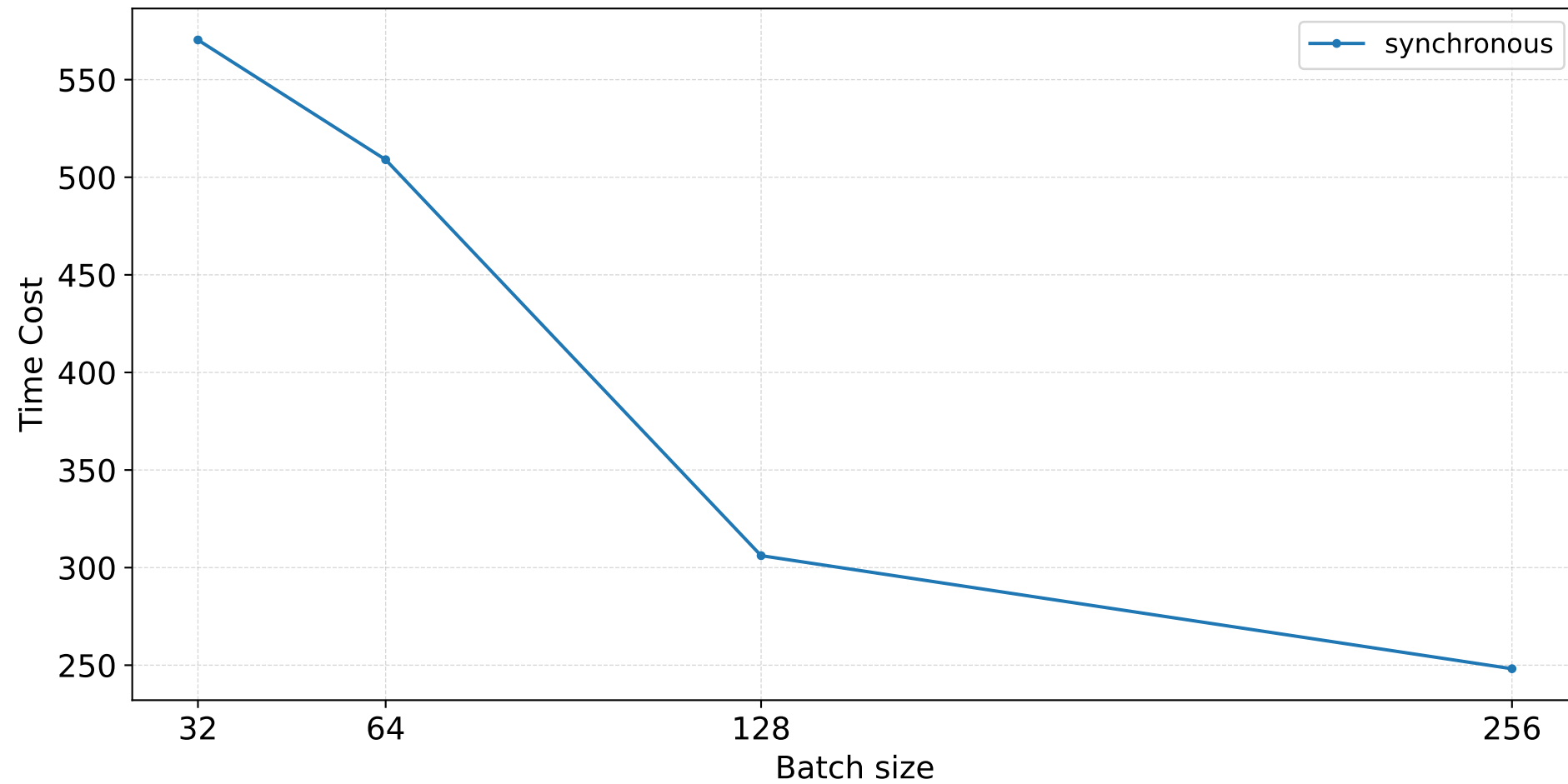


Hypercube Communication Model

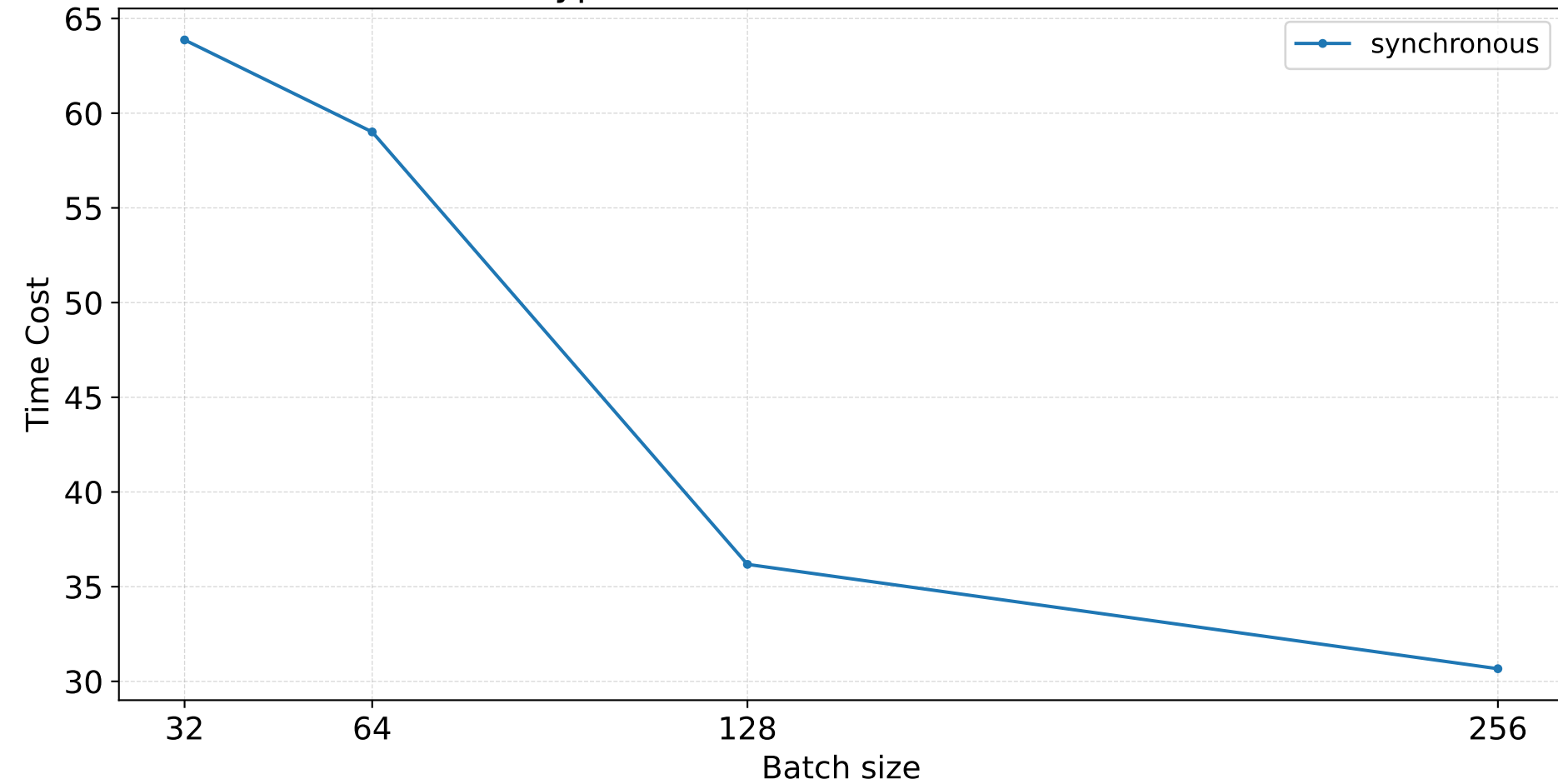


Num Clients : 50 ,  $\Theta$  : 1.0

Common Channel Communication Model

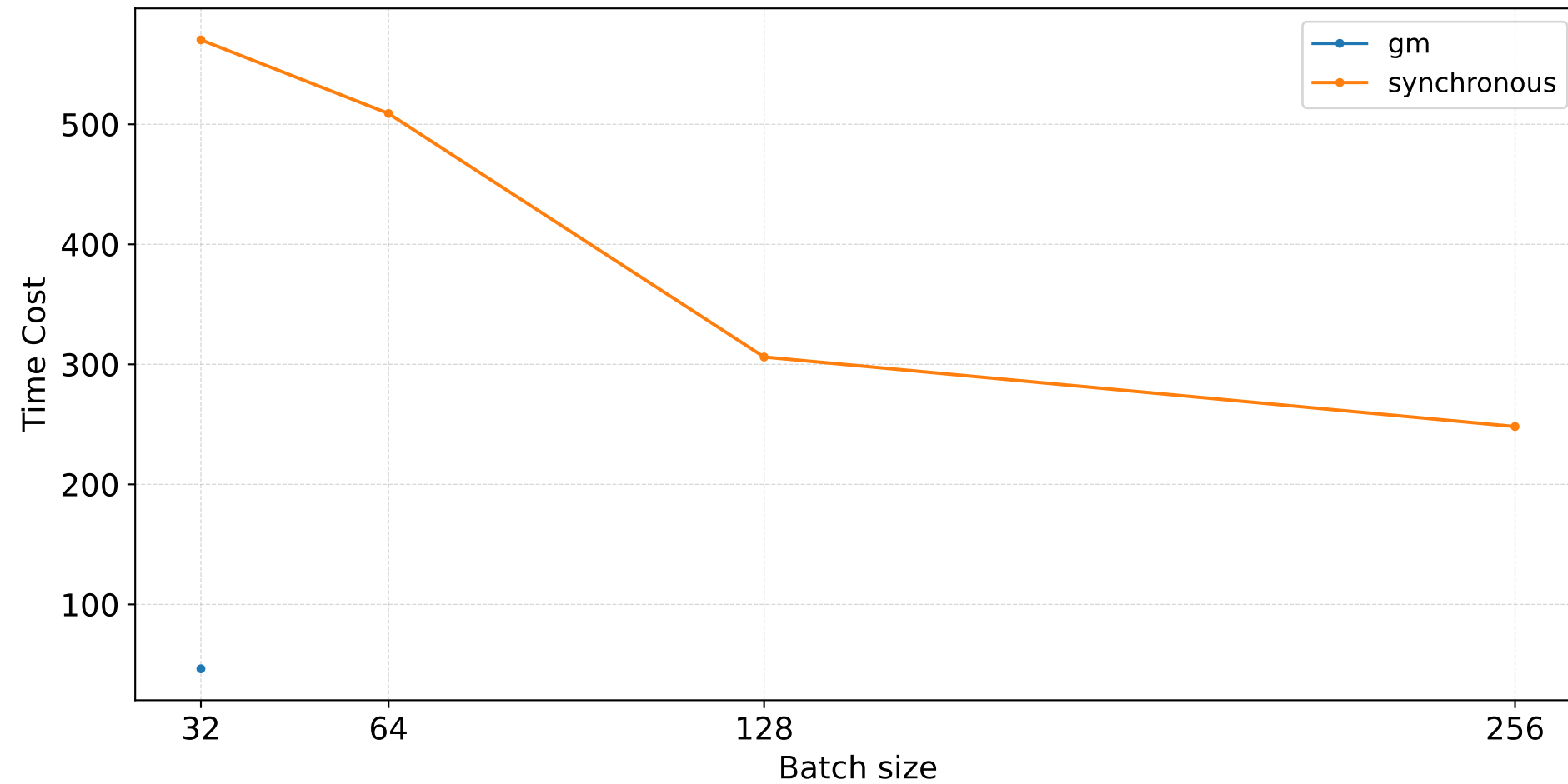


Hypercube Communication Model

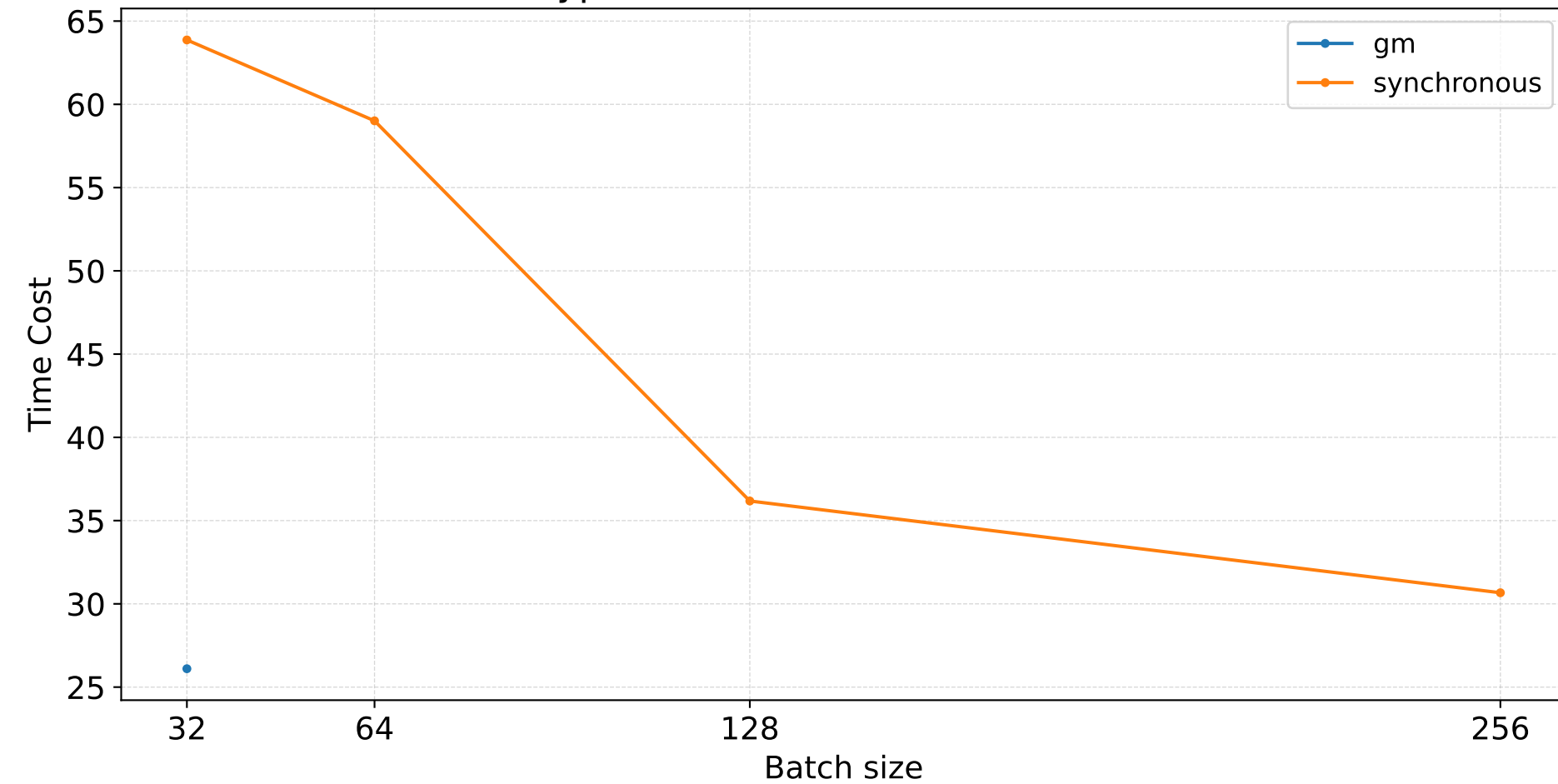


Num Clients : 50 ,  $\Theta$  : 1.5

Common Channel Communication Model

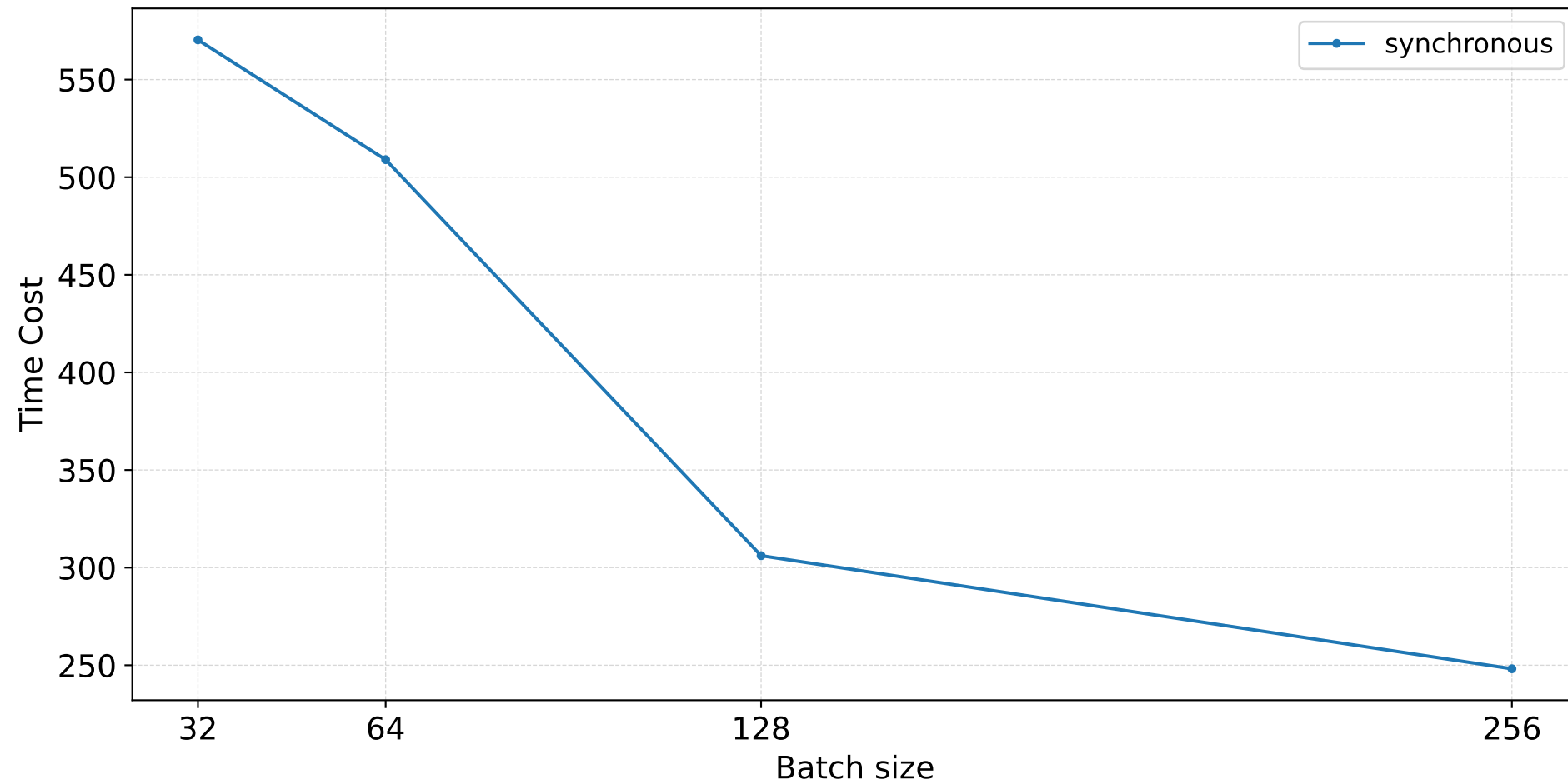


Hypercube Communication Model

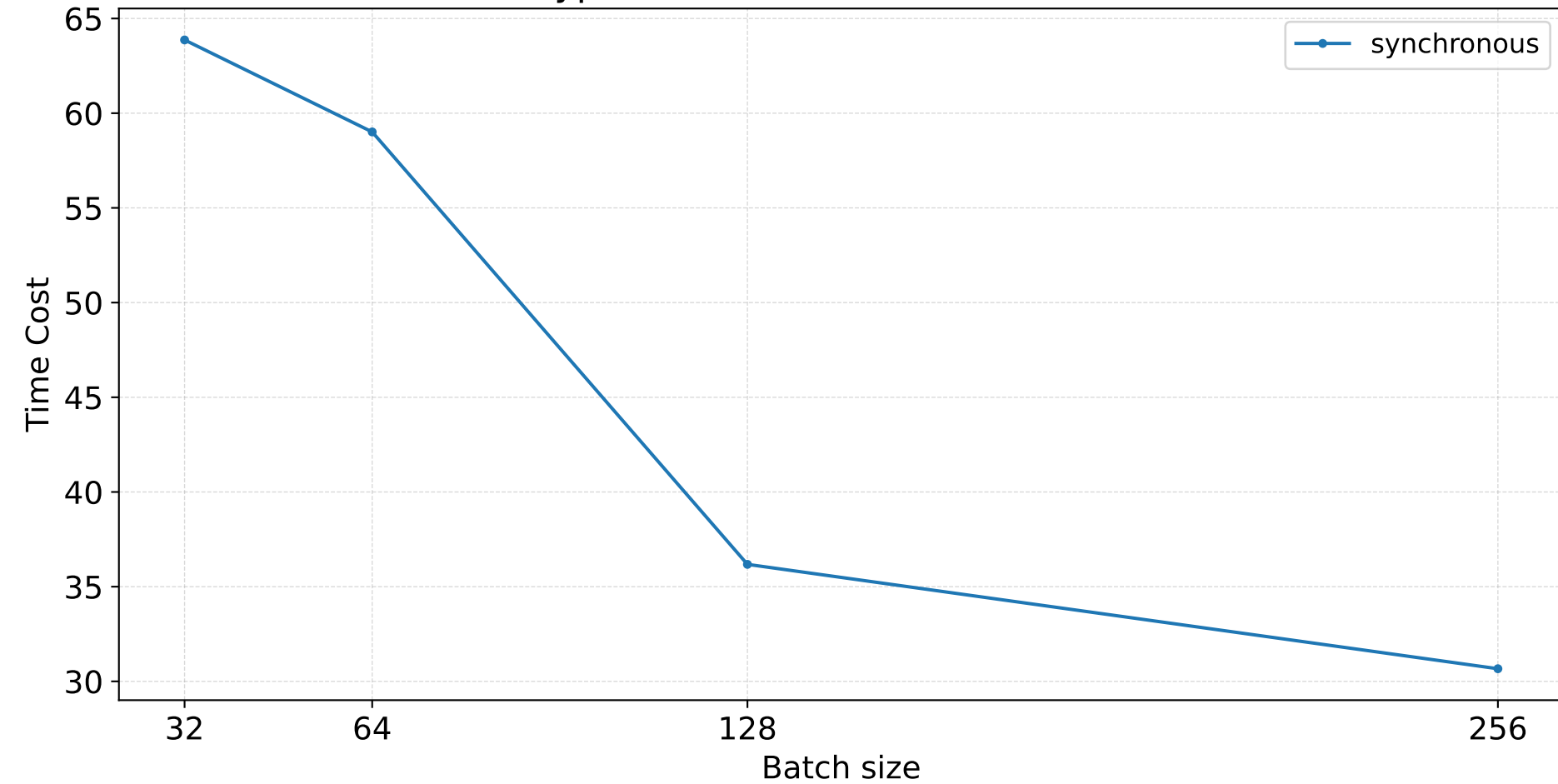


Num Clients : 50 ,  $\Theta$  : 2.0

Common Channel Communication Model

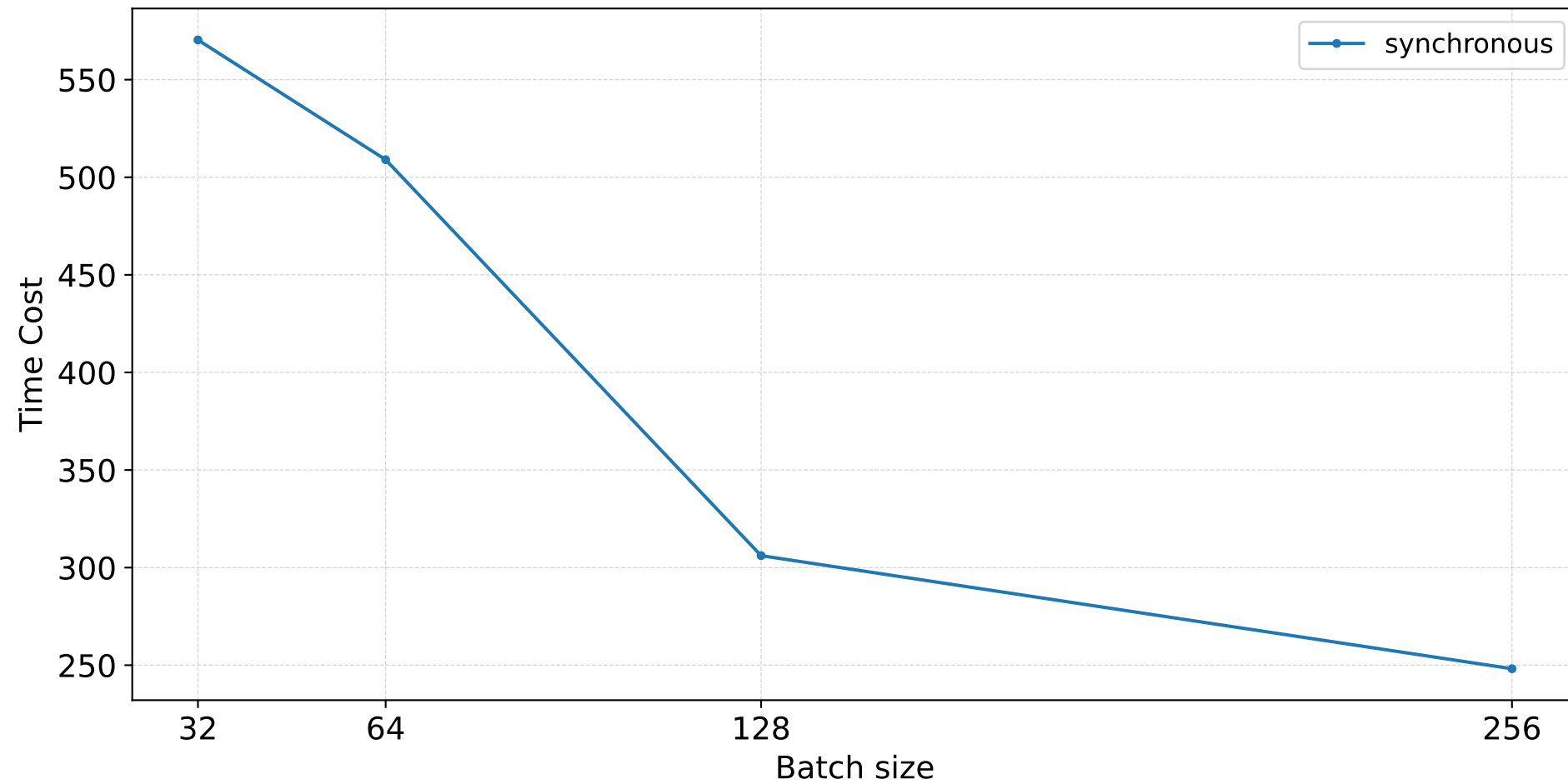


Hypercube Communication Model

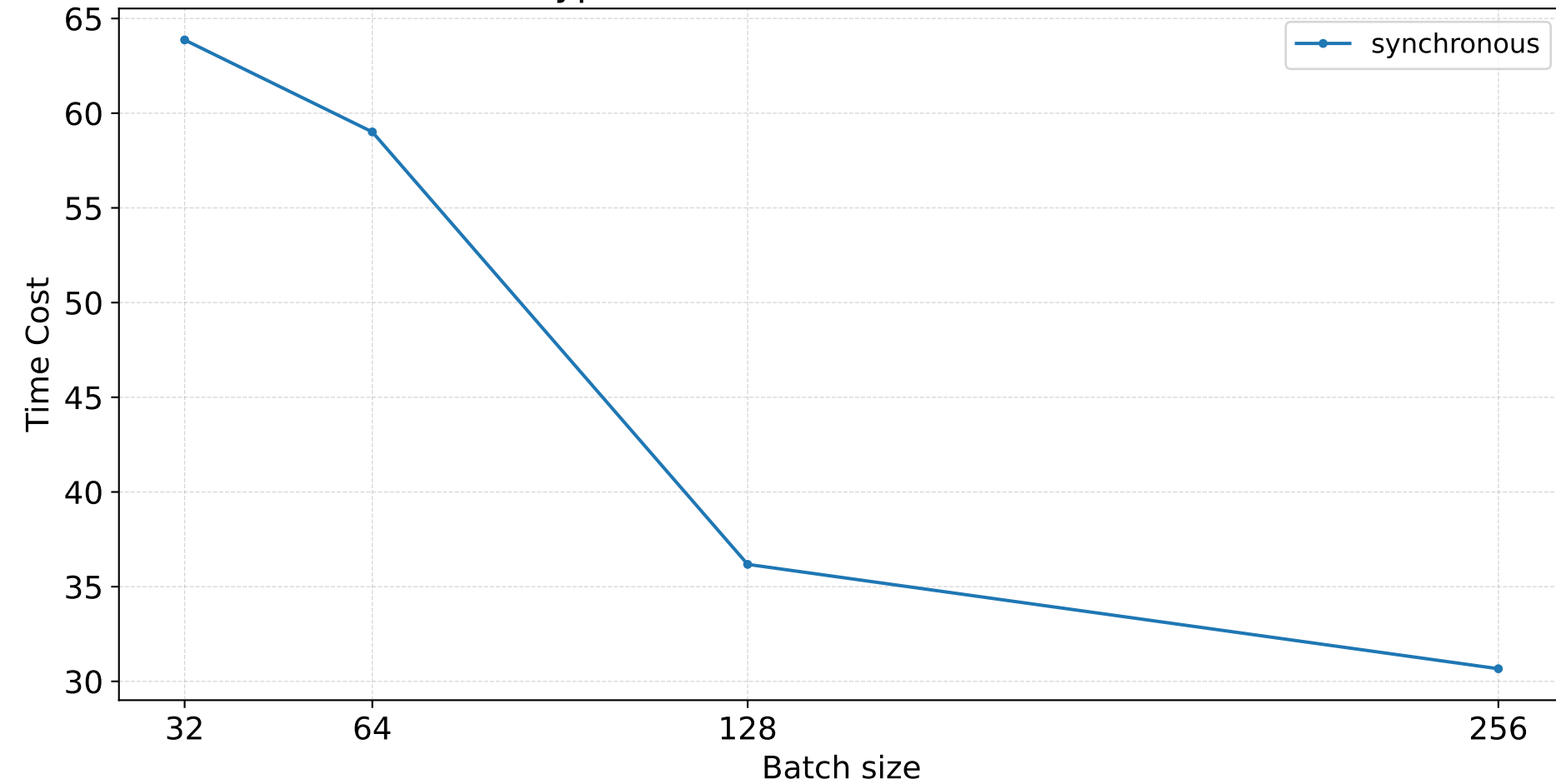


Num Clients : 50 ,  $\Theta$  : 3.0

Common Channel Communication Model

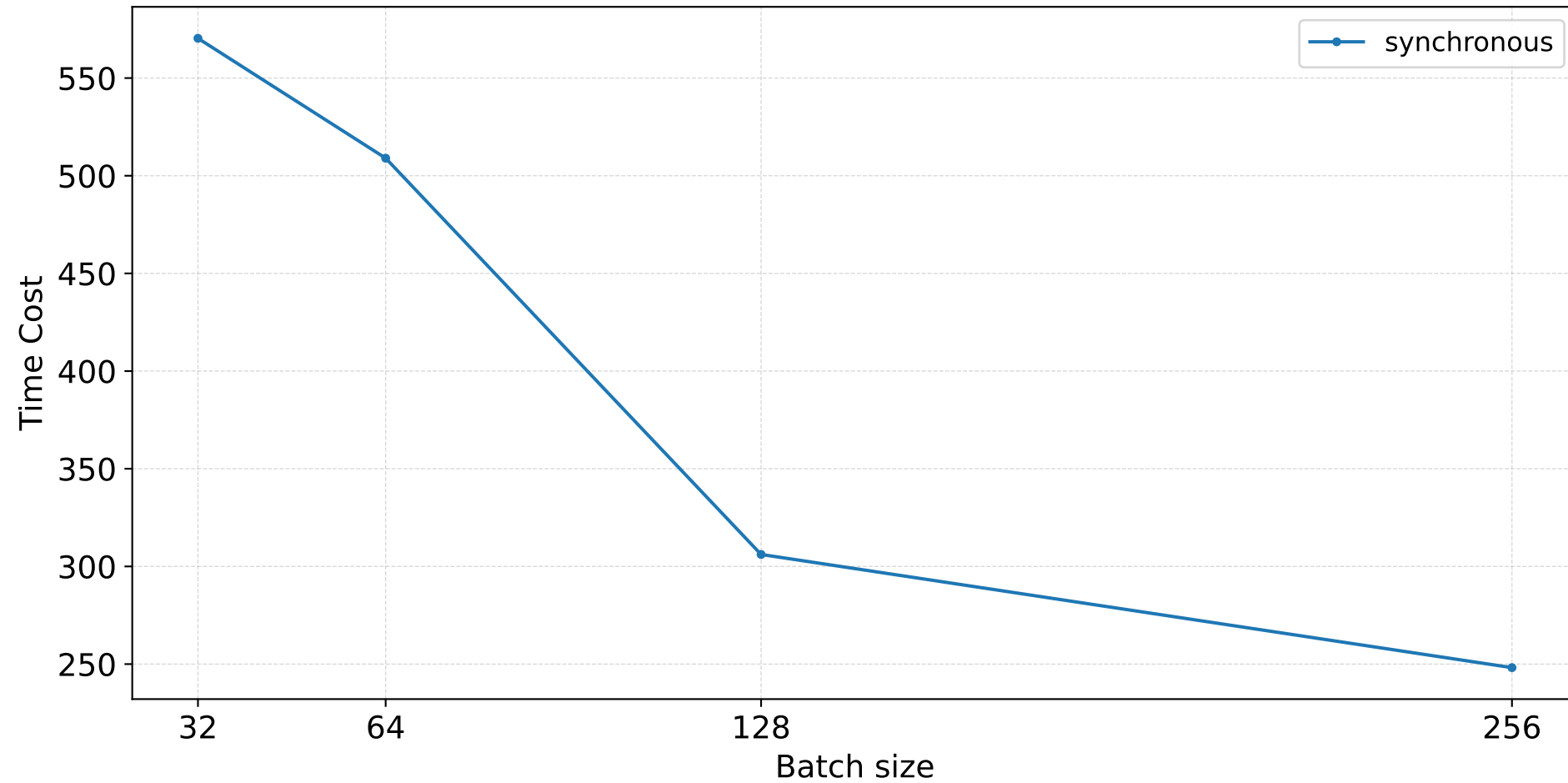


Hypercube Communication Model

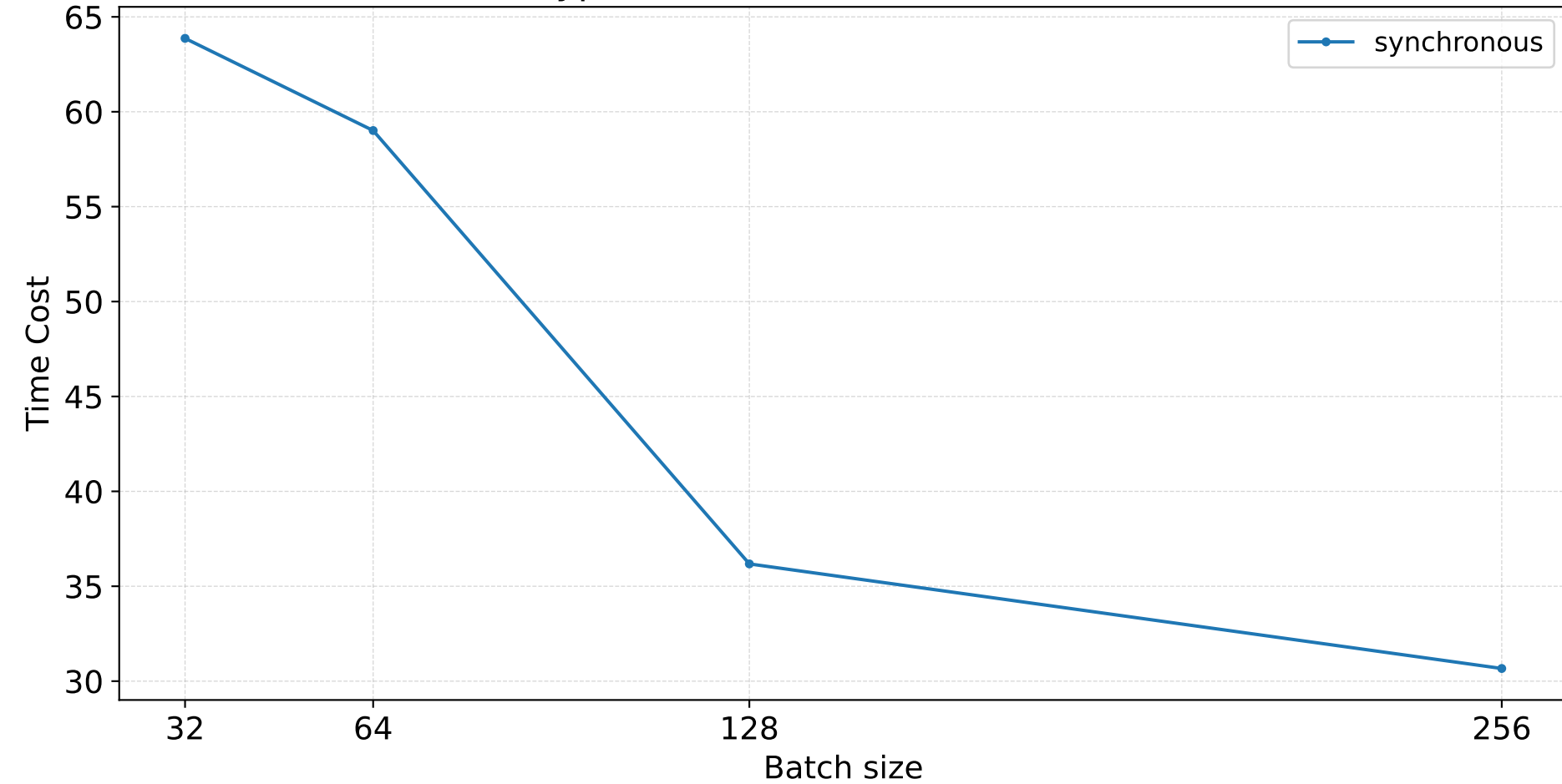


Num Clients : 50 ,  $\Theta$  : 5.0

Common Channel Communication Model



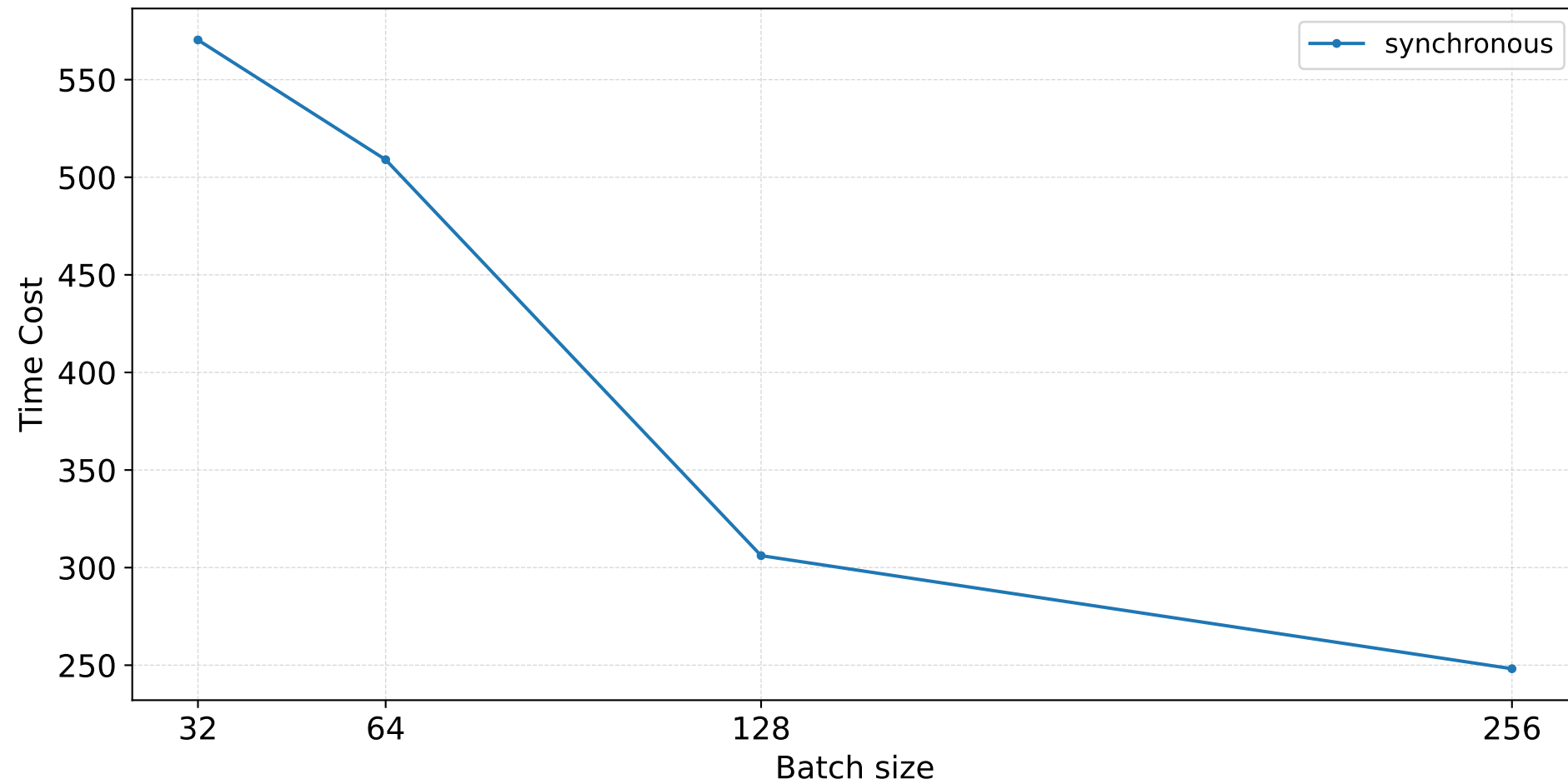
Hypercube Communication Model



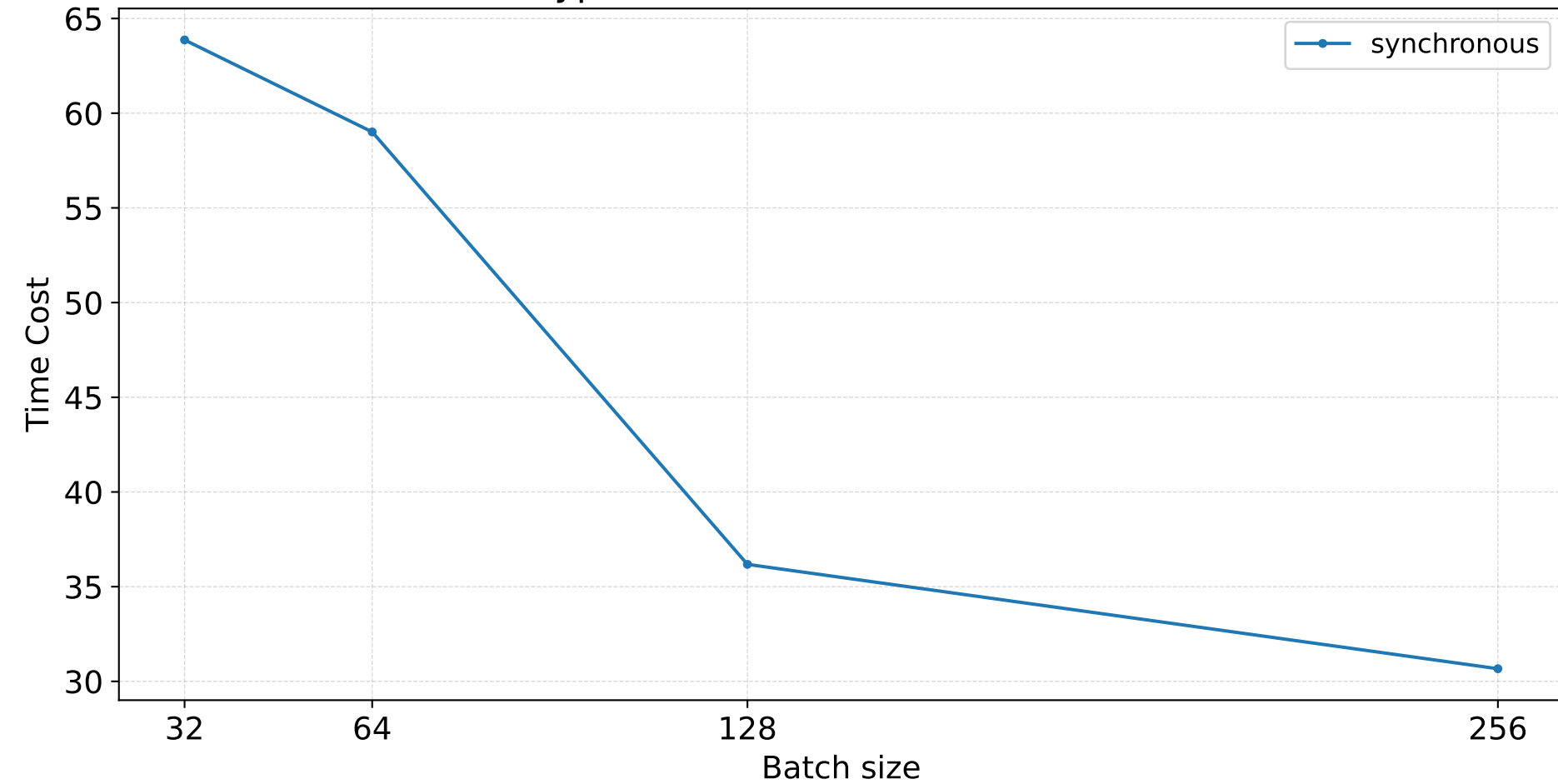


Num Clients : 50 ,  $\Theta$  : 7.0

Common Channel Communication Model

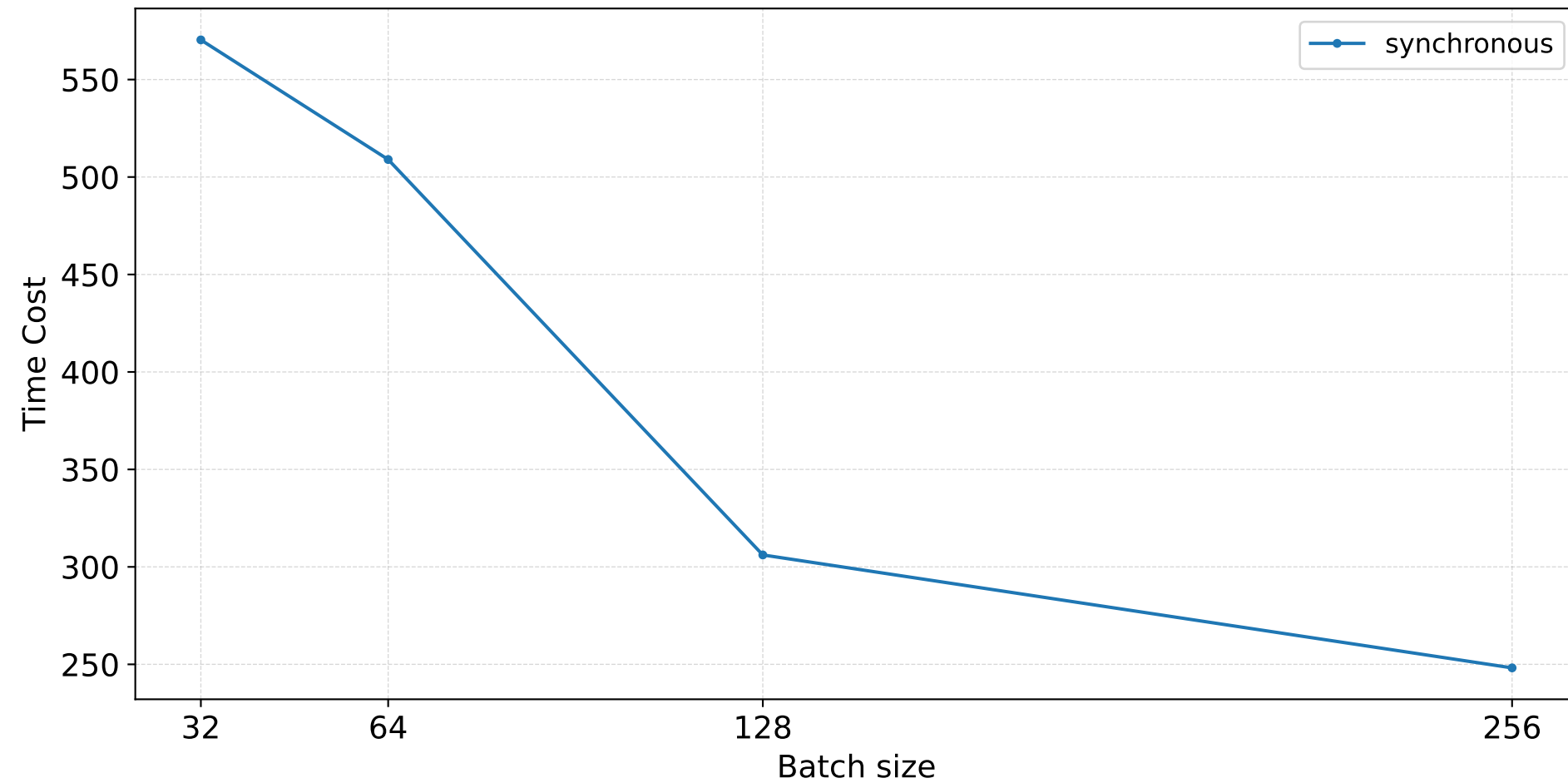


Hypercube Communication Model

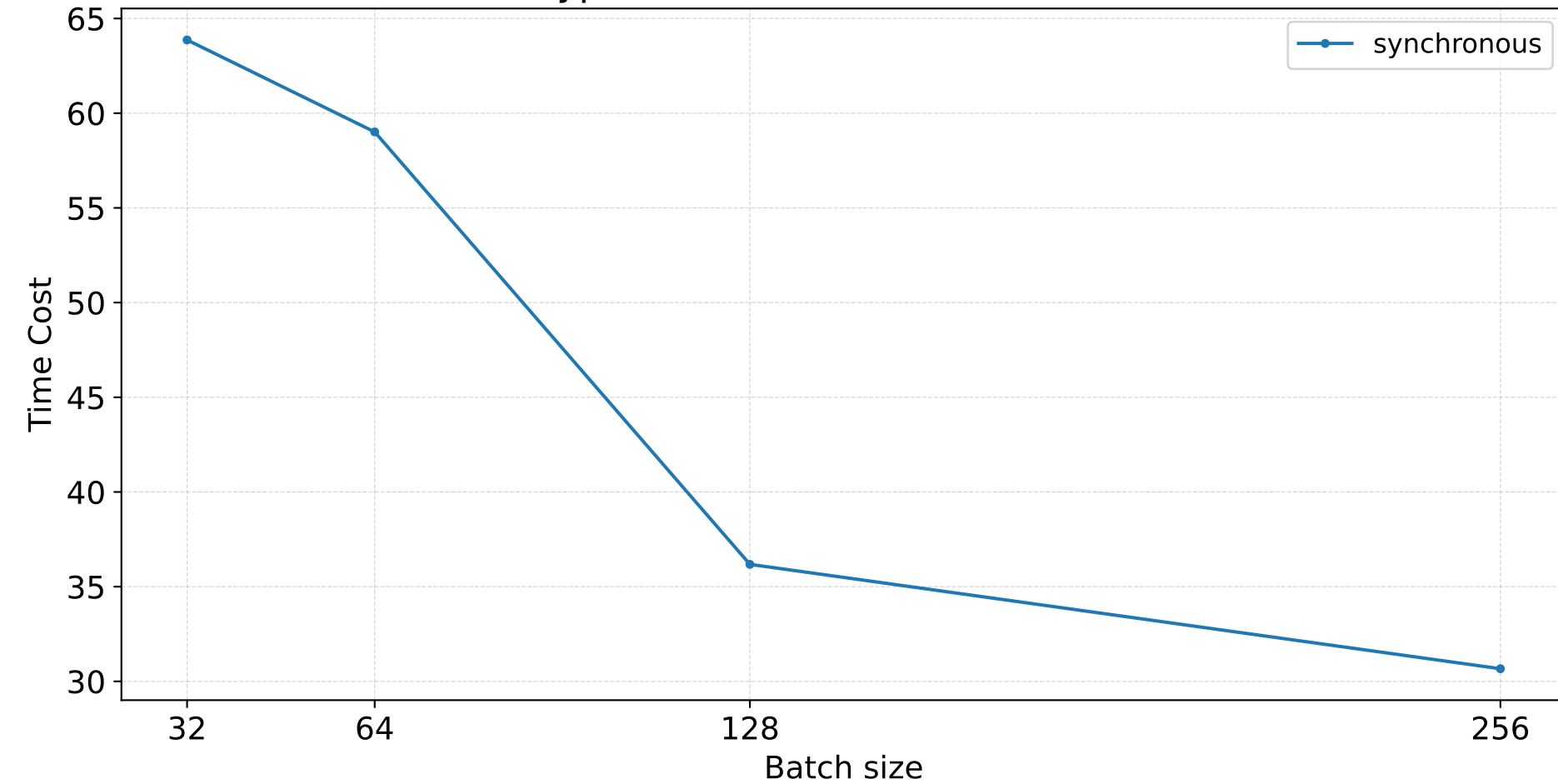


Num Clients : 50 ,  $\Theta$  : 10.0

Common Channel Communication Model

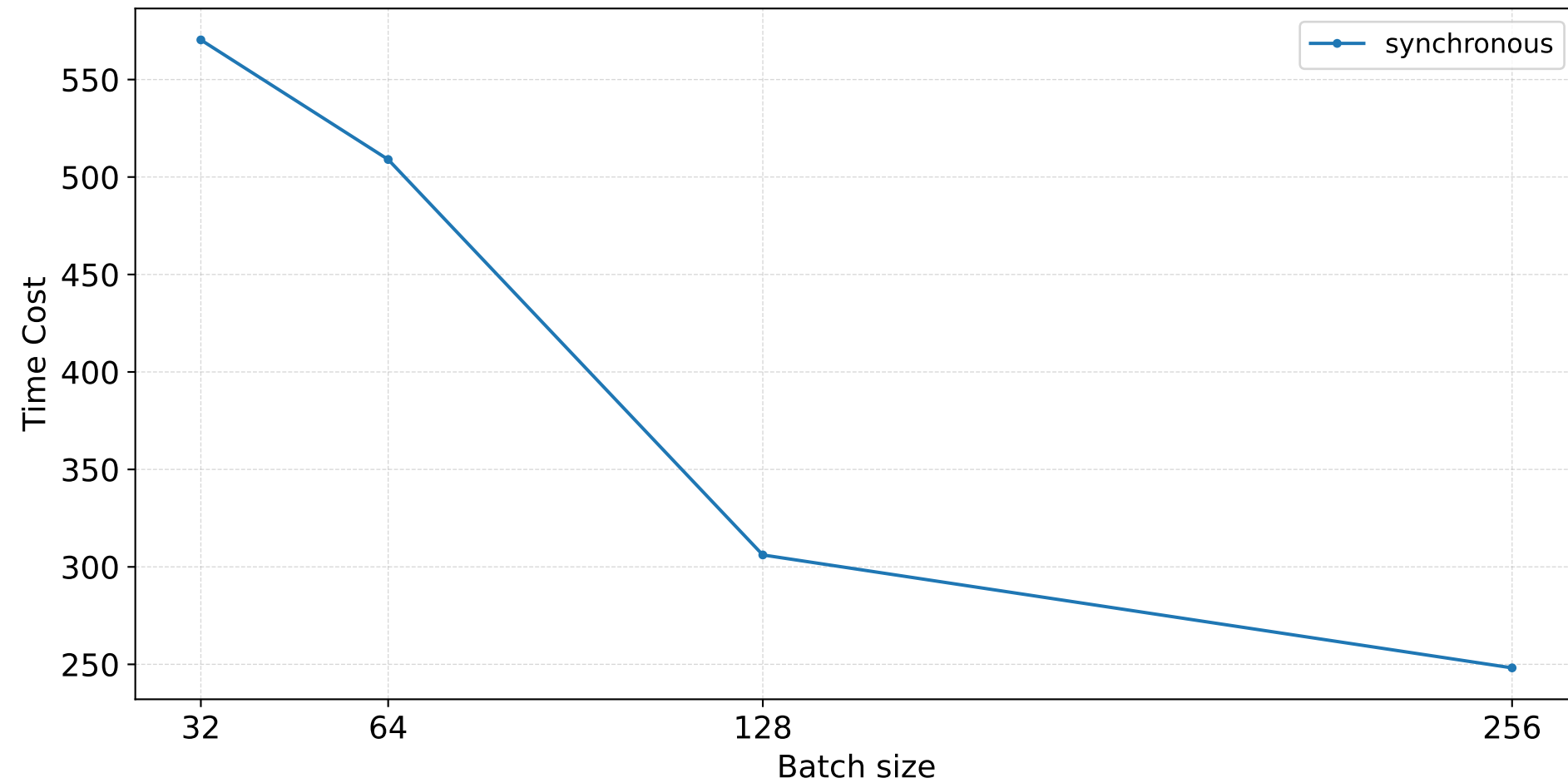


Hypercube Communication Model

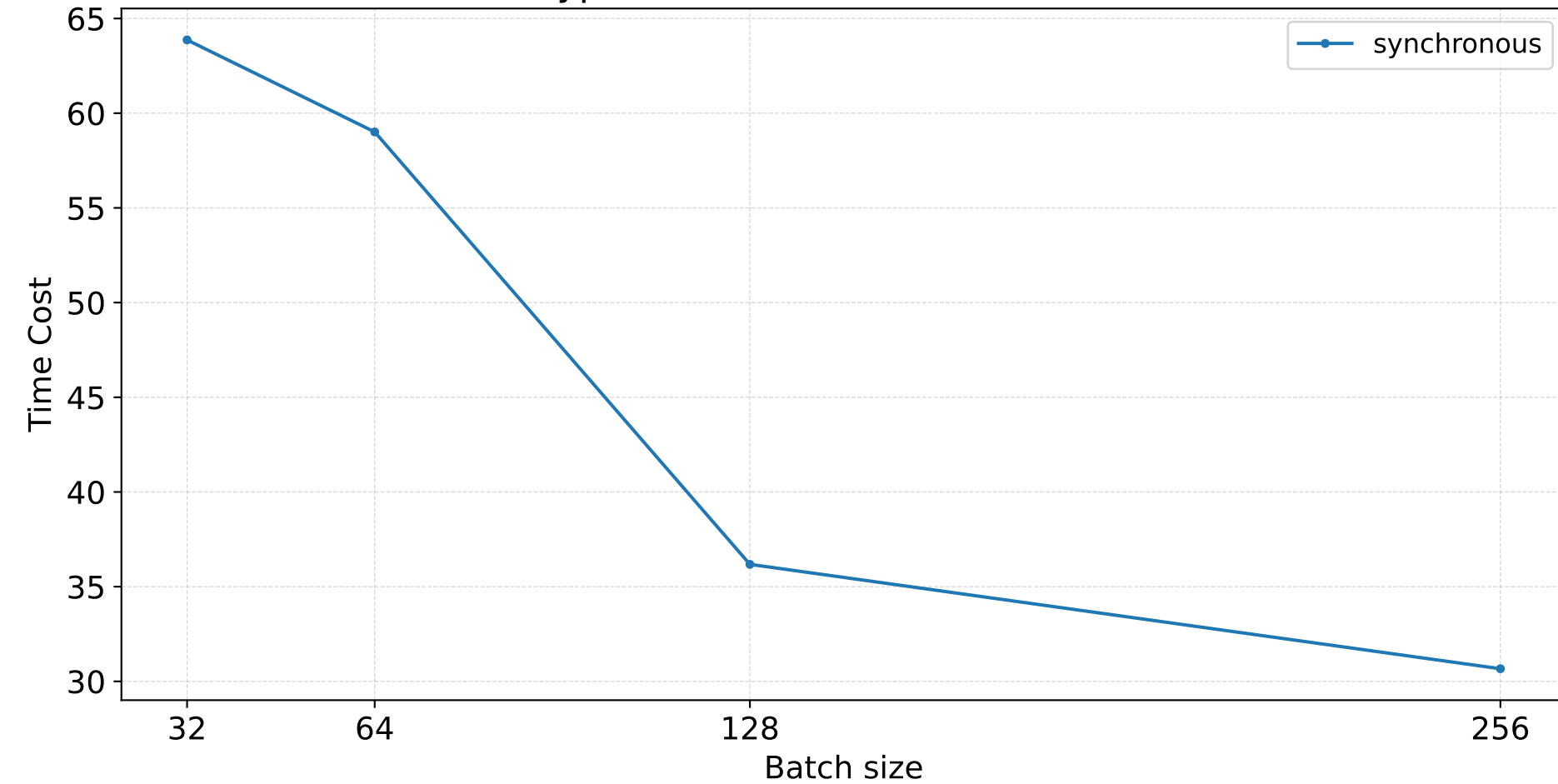


Num Clients : 50 ,  $\Theta$  : 12.0

Common Channel Communication Model

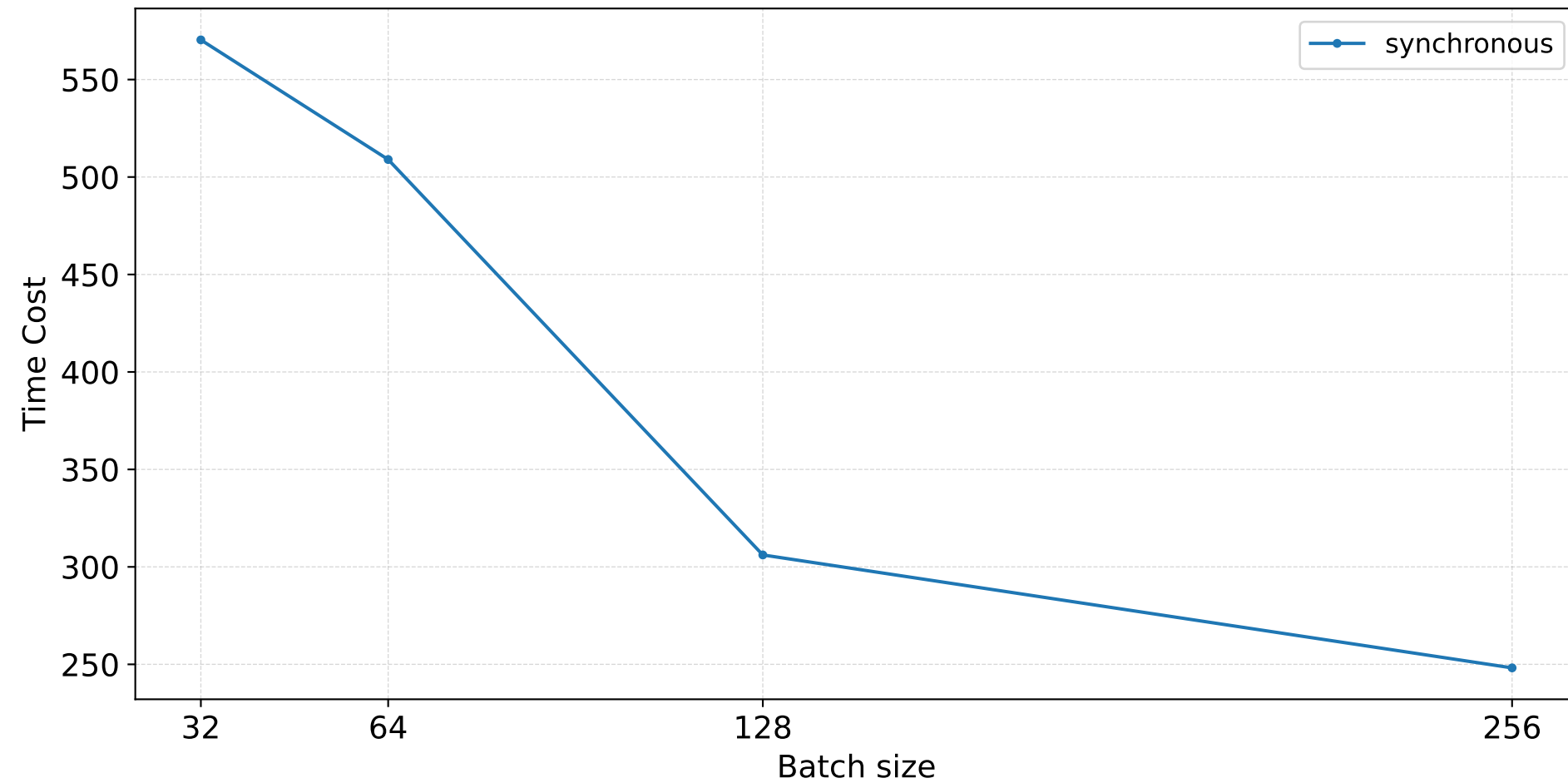


Hypercube Communication Model

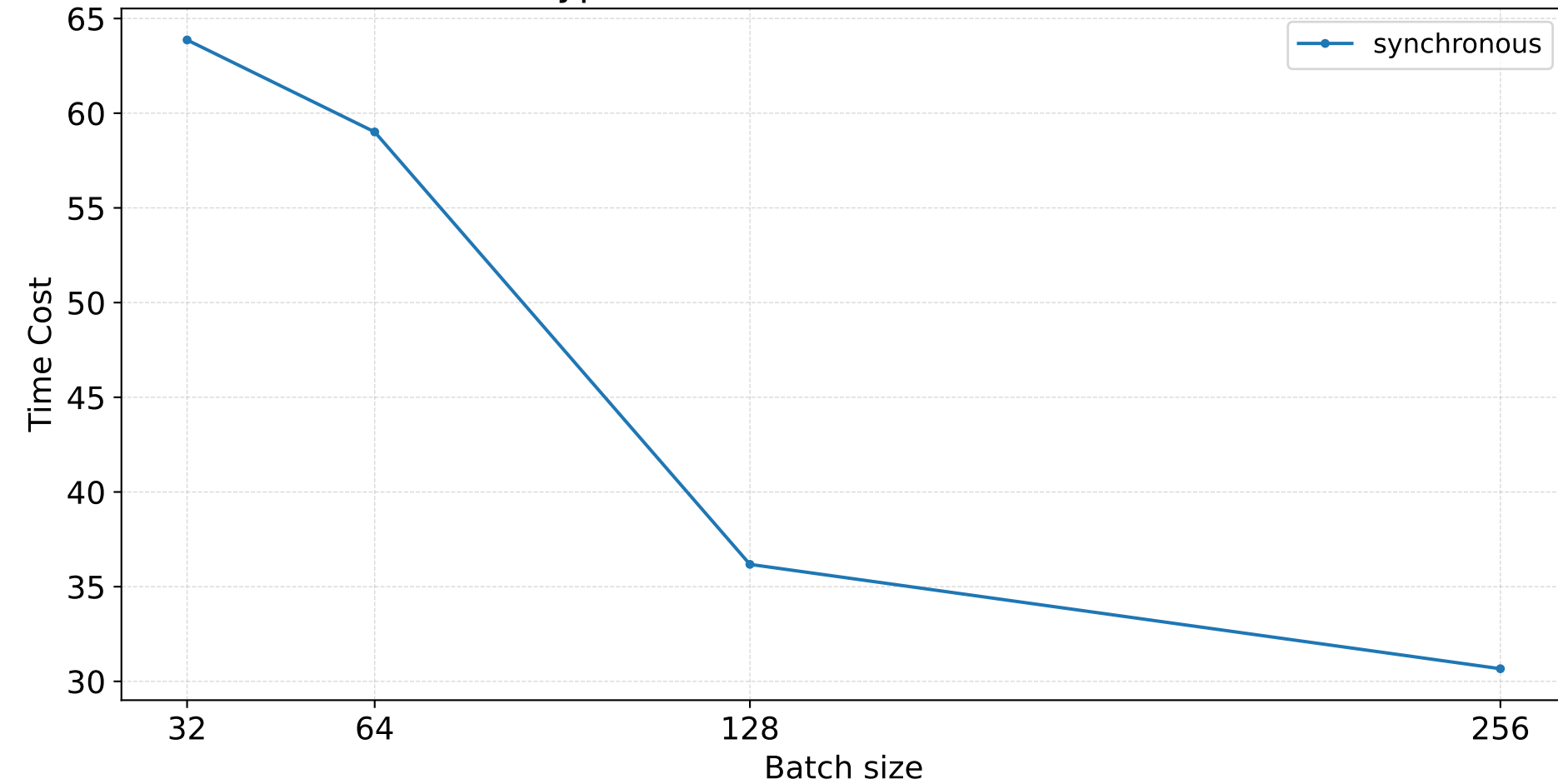


Num Clients : 50 ,  $\Theta$  : 15.0

Common Channel Communication Model

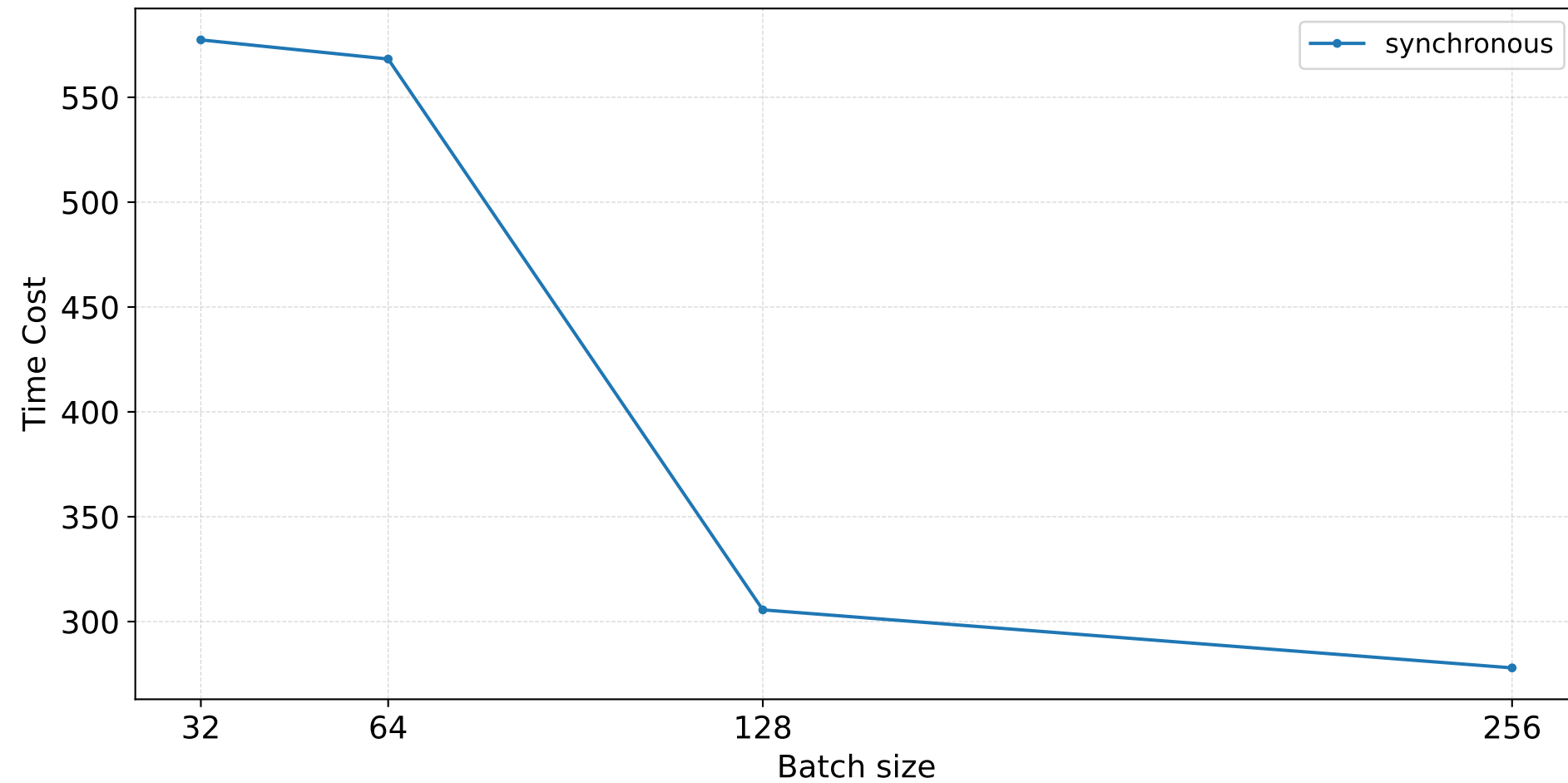


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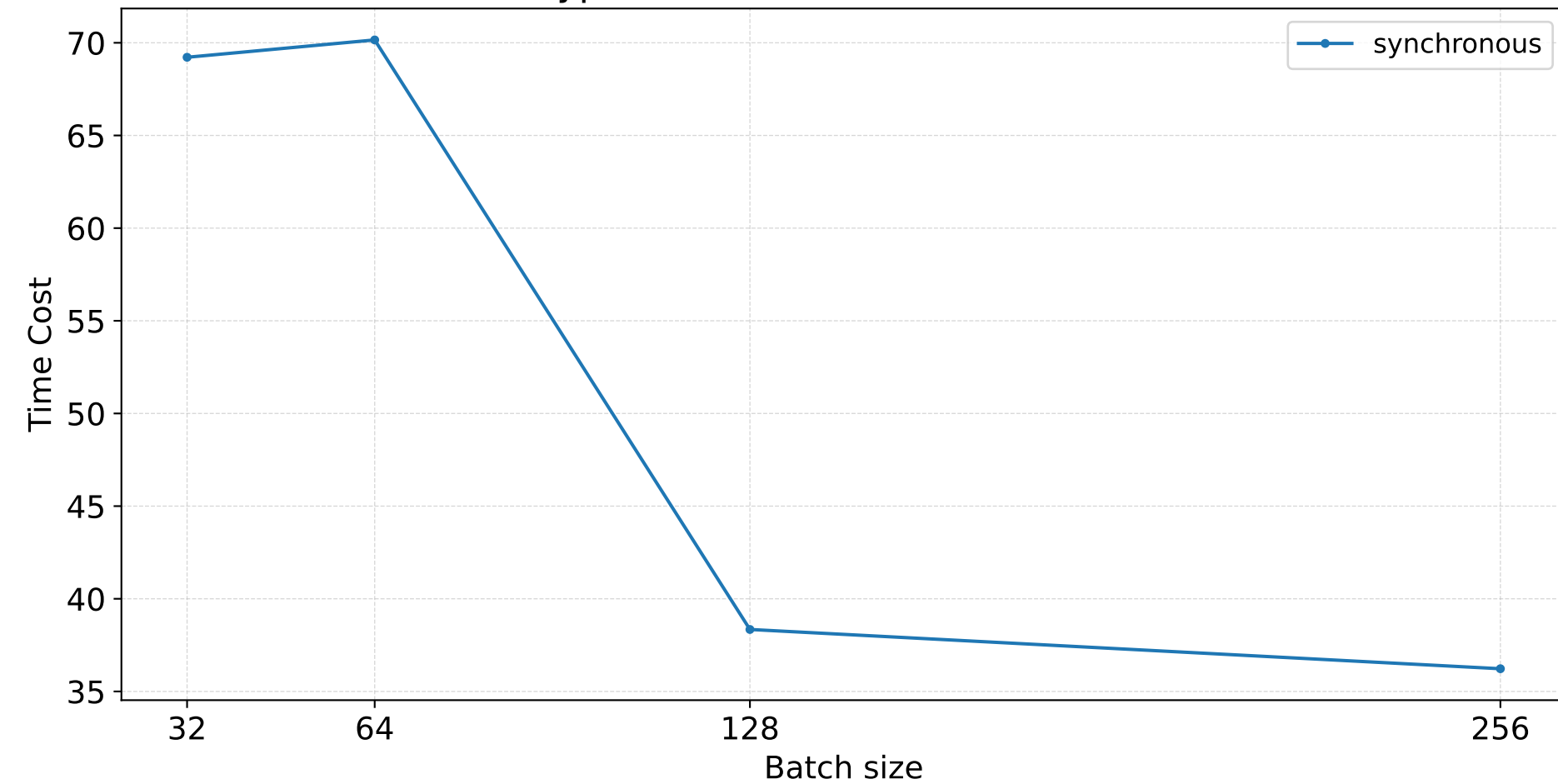


Num Clients : 55 ,  $\Theta$  : 0.5

Common Channel Communication Model

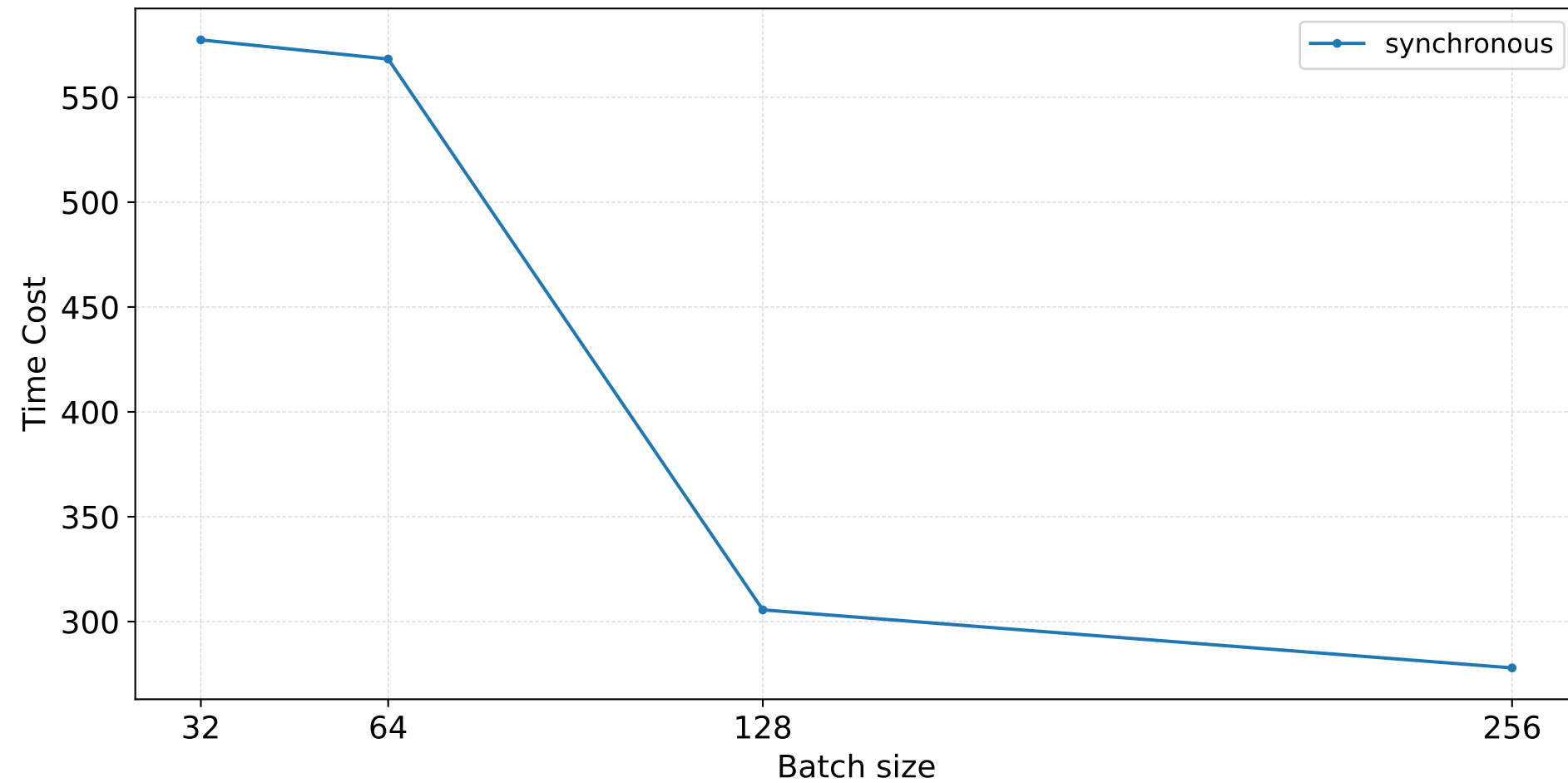


Hypercube Communication Model

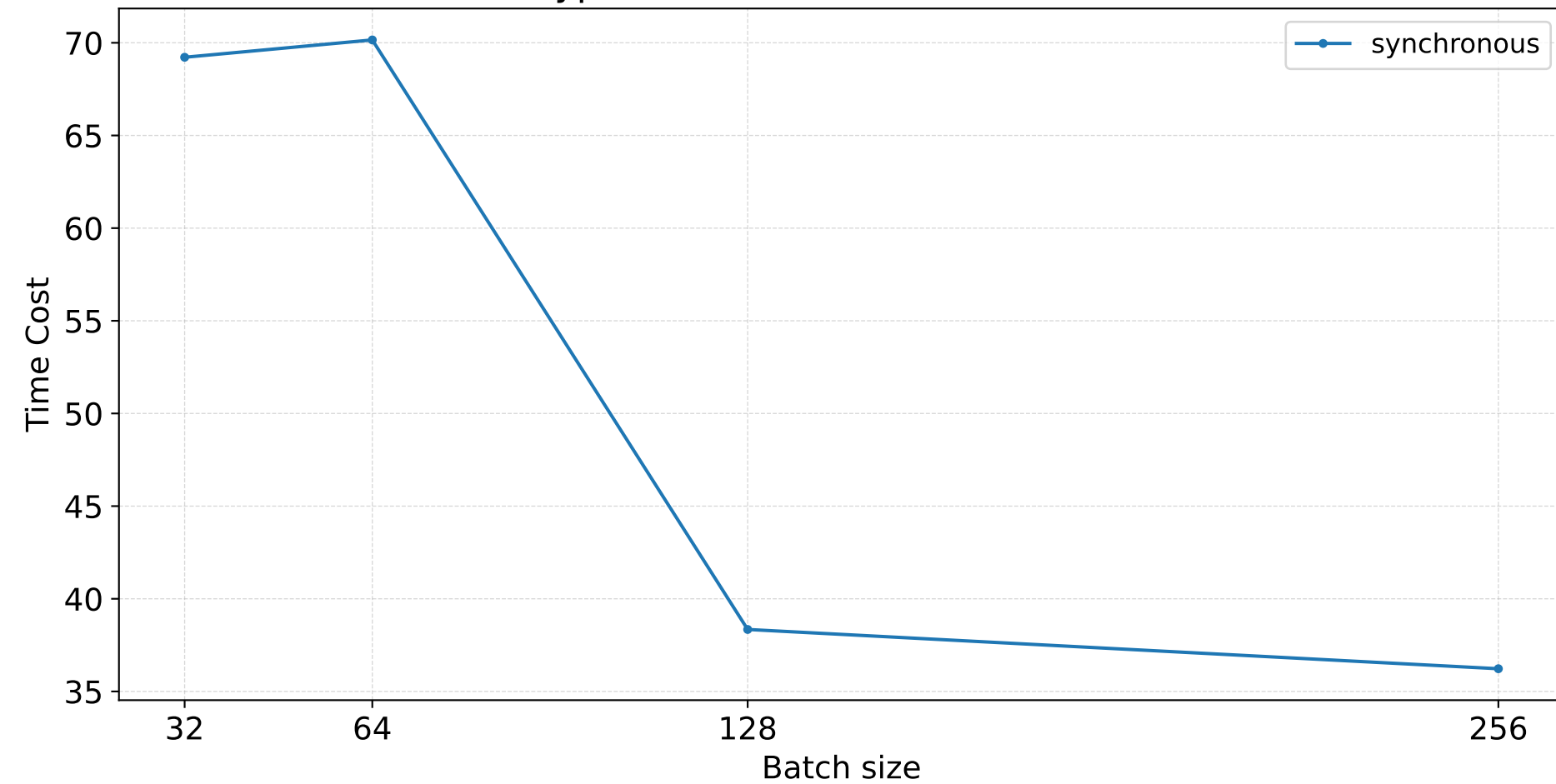


Num Clients : 55 ,  $\Theta$  : 1.0

Common Channel Communication Model

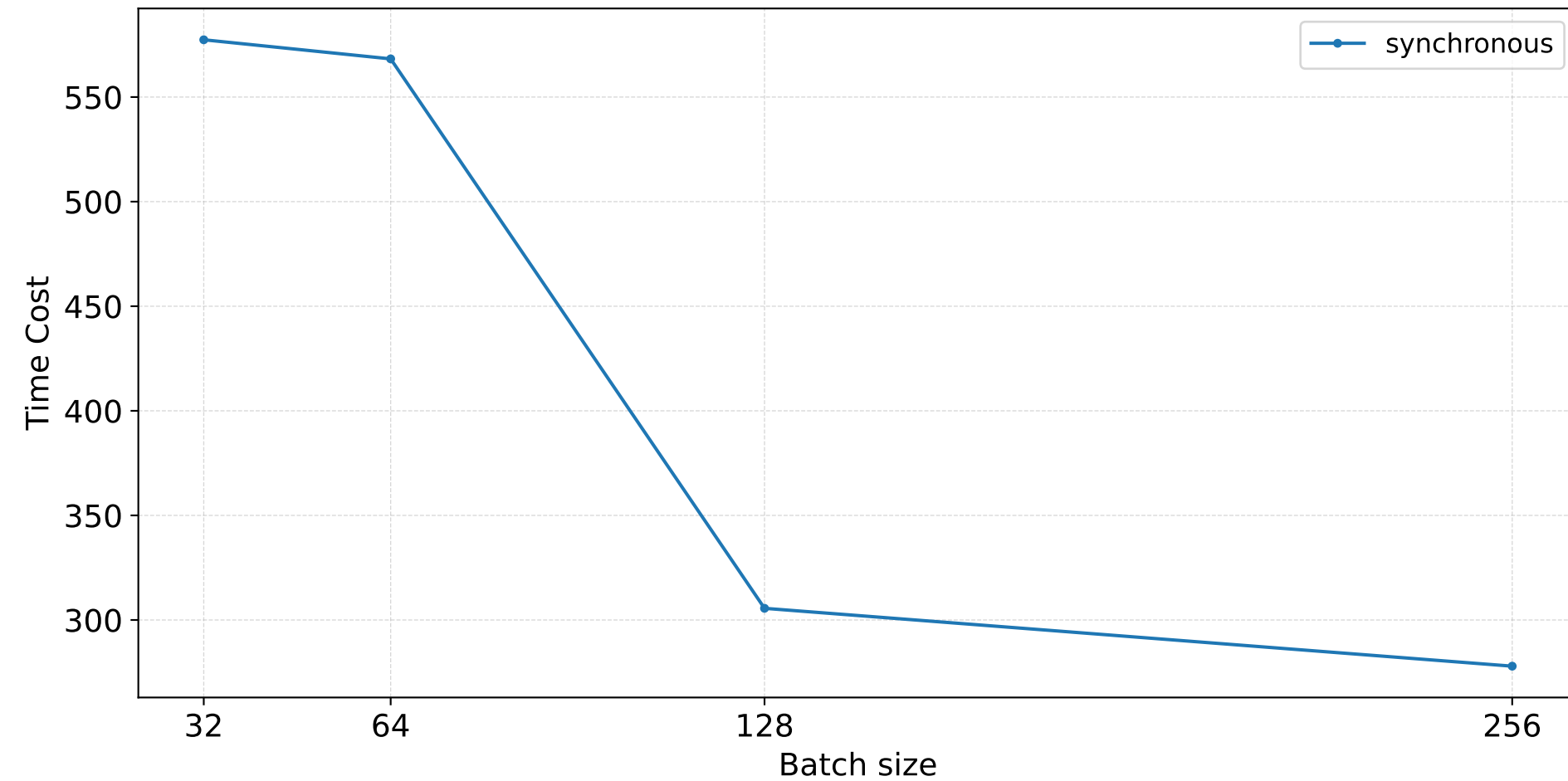


Hypercube Communication Model

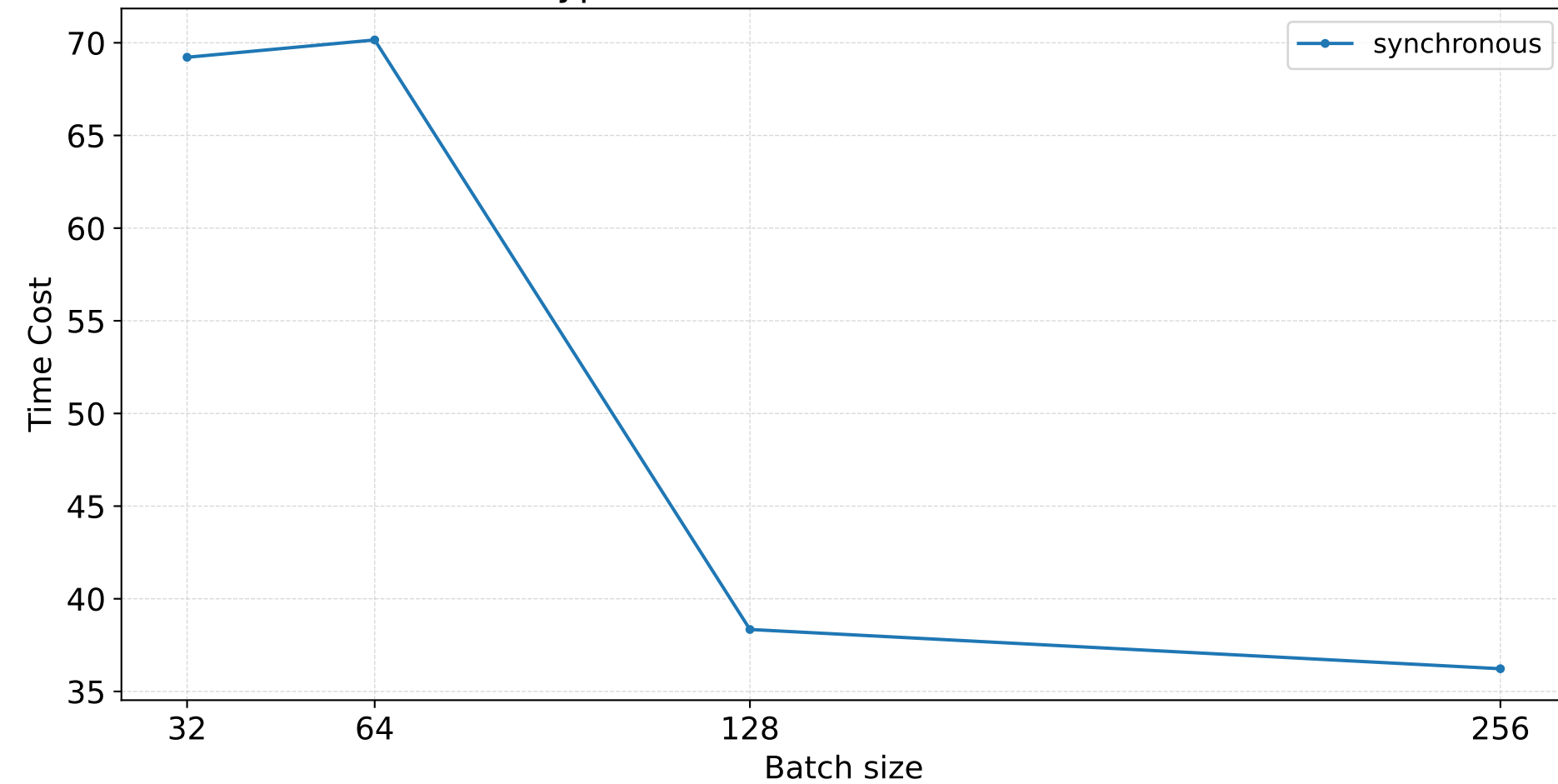


Num Clients : 55 ,  $\Theta$  : 1.5

Common Channel Communication Model

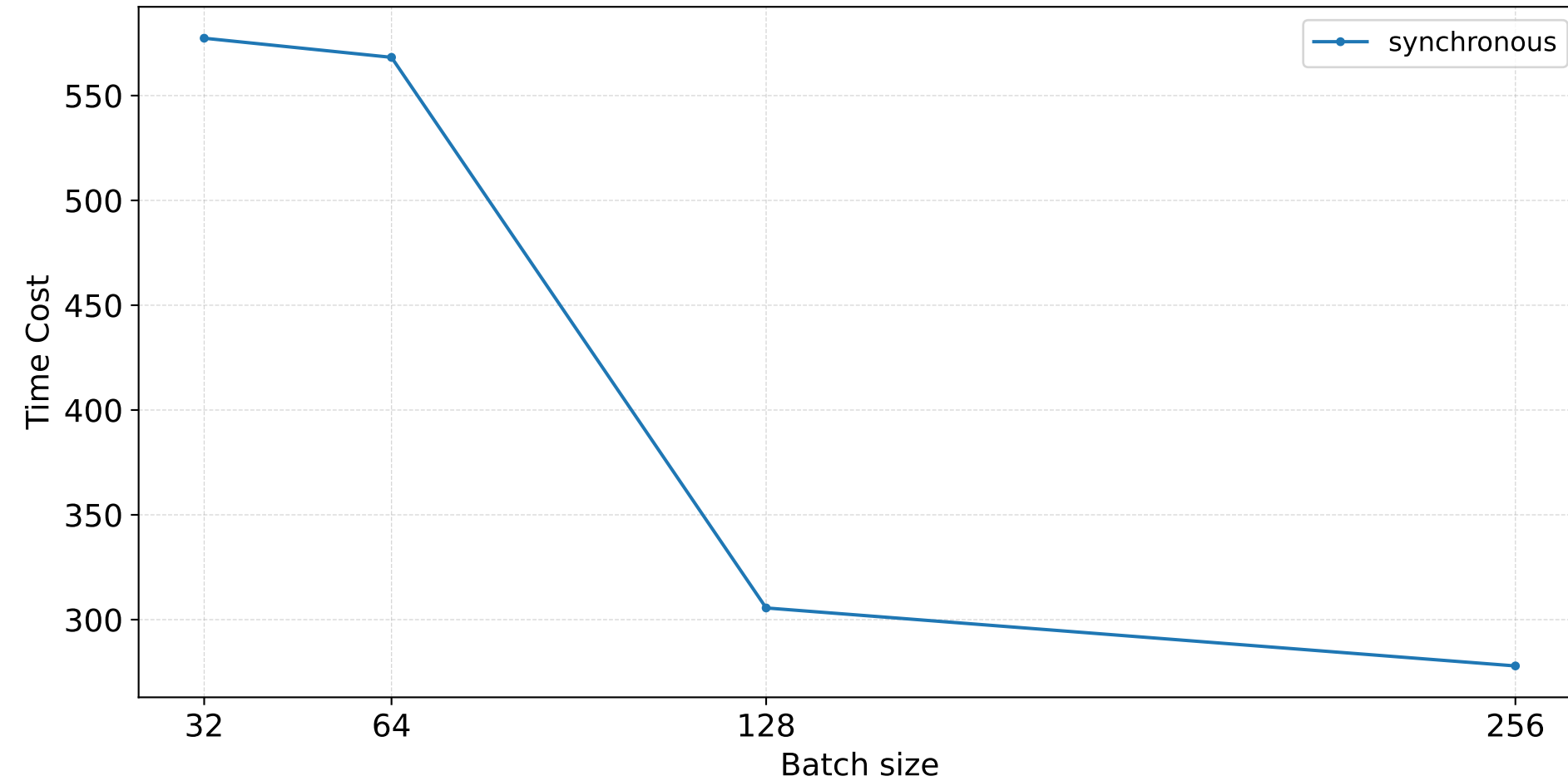


Hypercube Communication Model

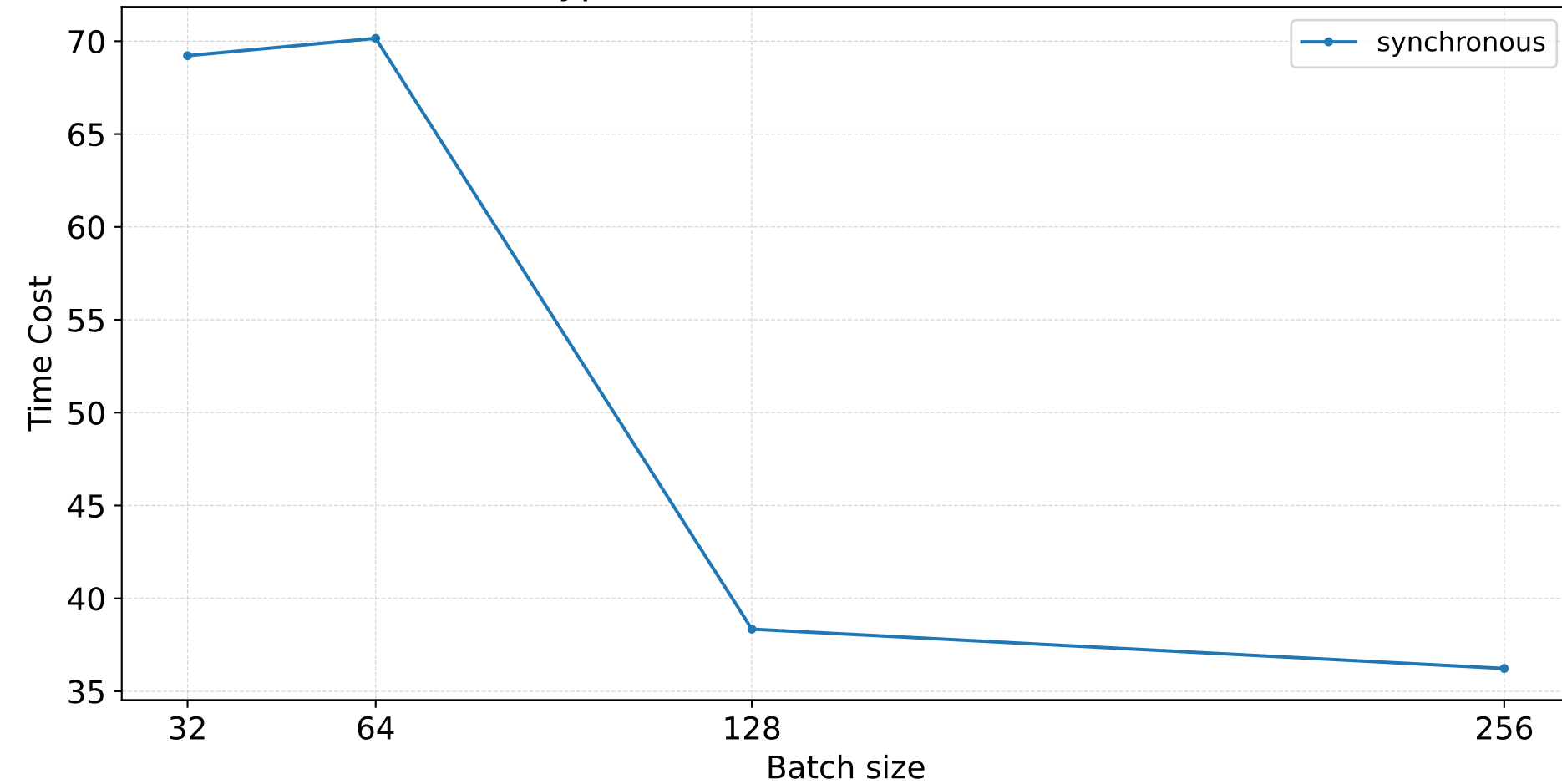


Num Clients : 55 ,  $\Theta$  : 2.0

Common Channel Communication Model



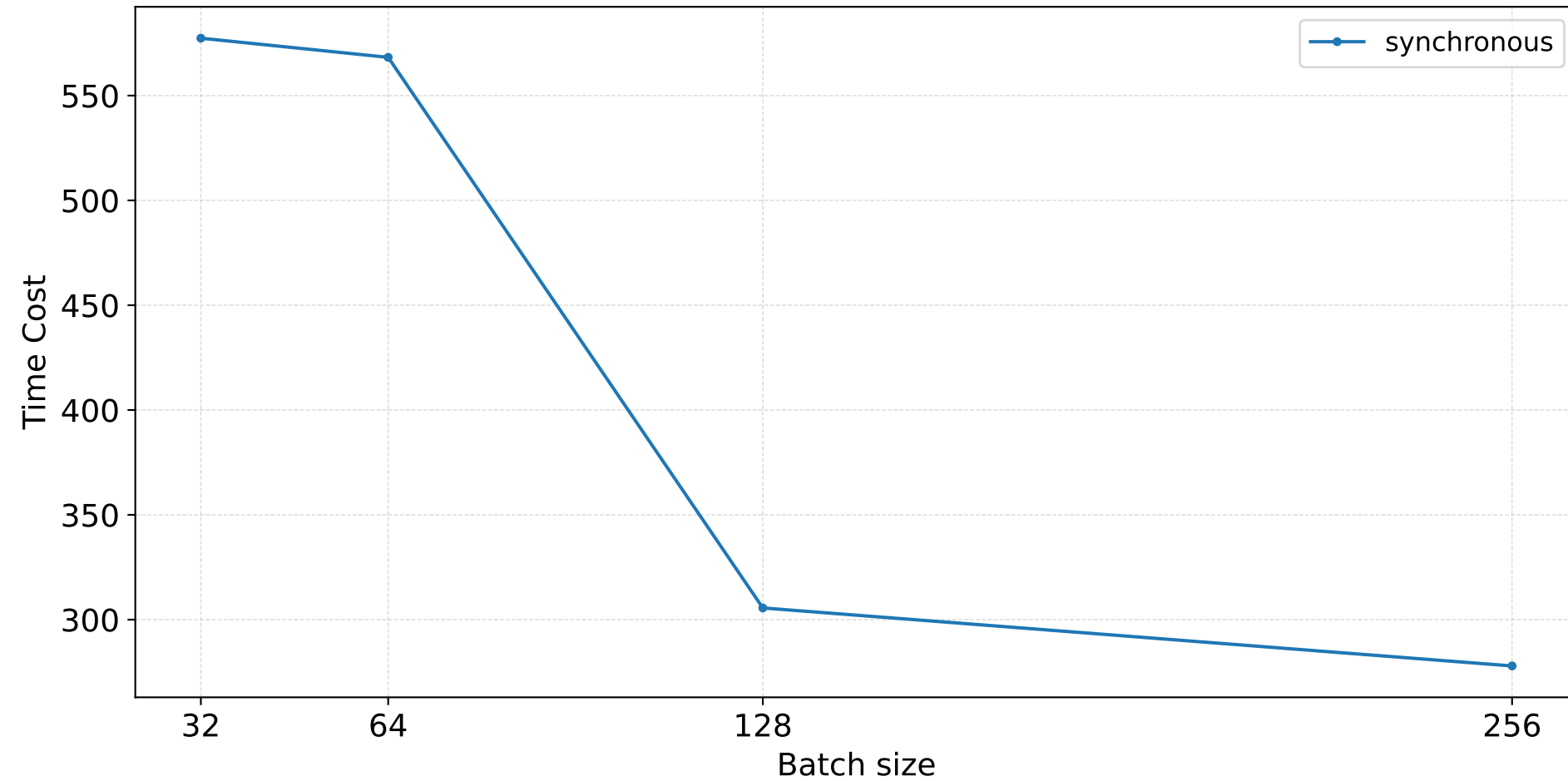
Hypercube Communication Model



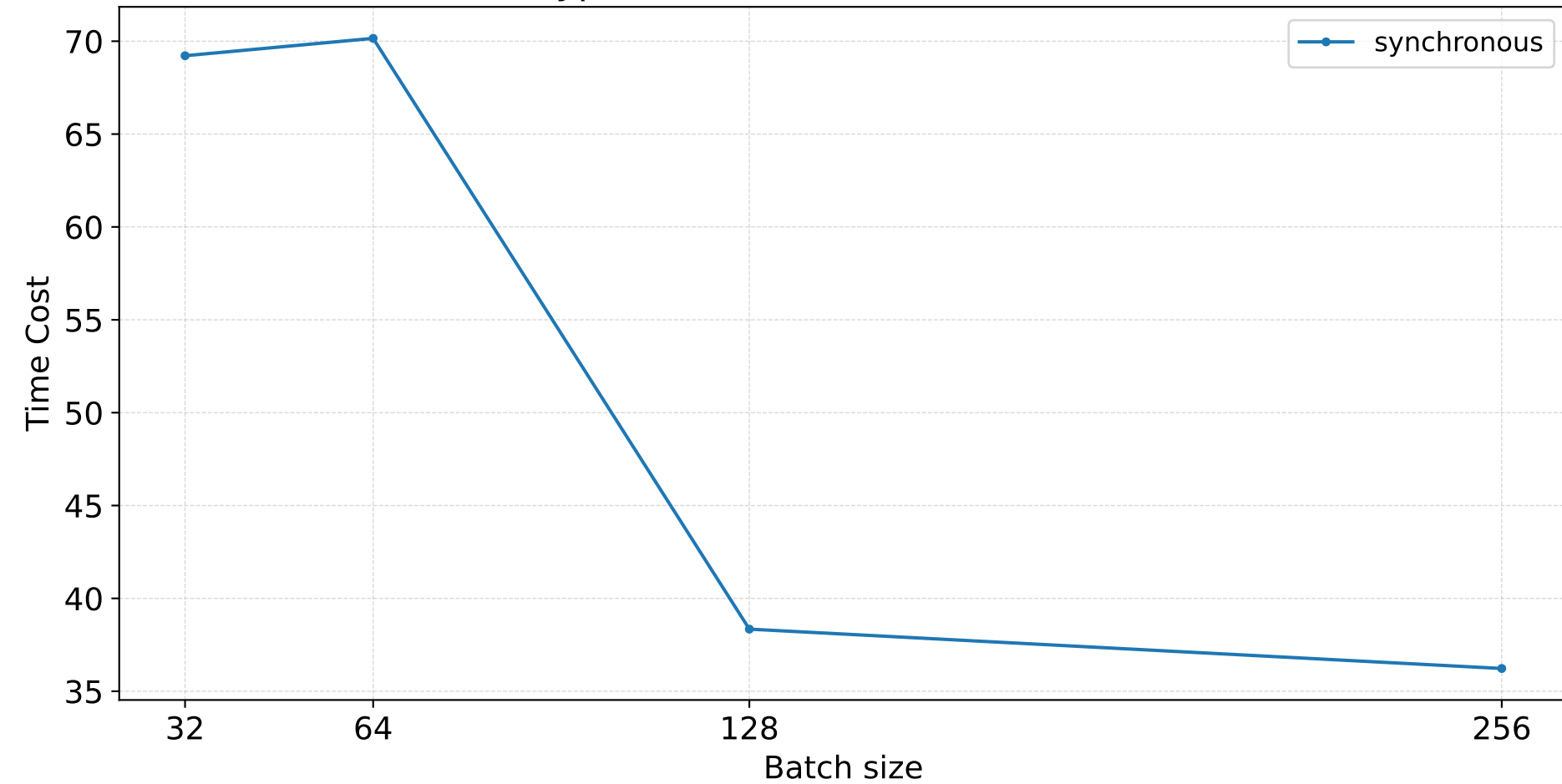


Num Clients : 55 ,  $\Theta$  : 3.0

Common Channel Communication Model

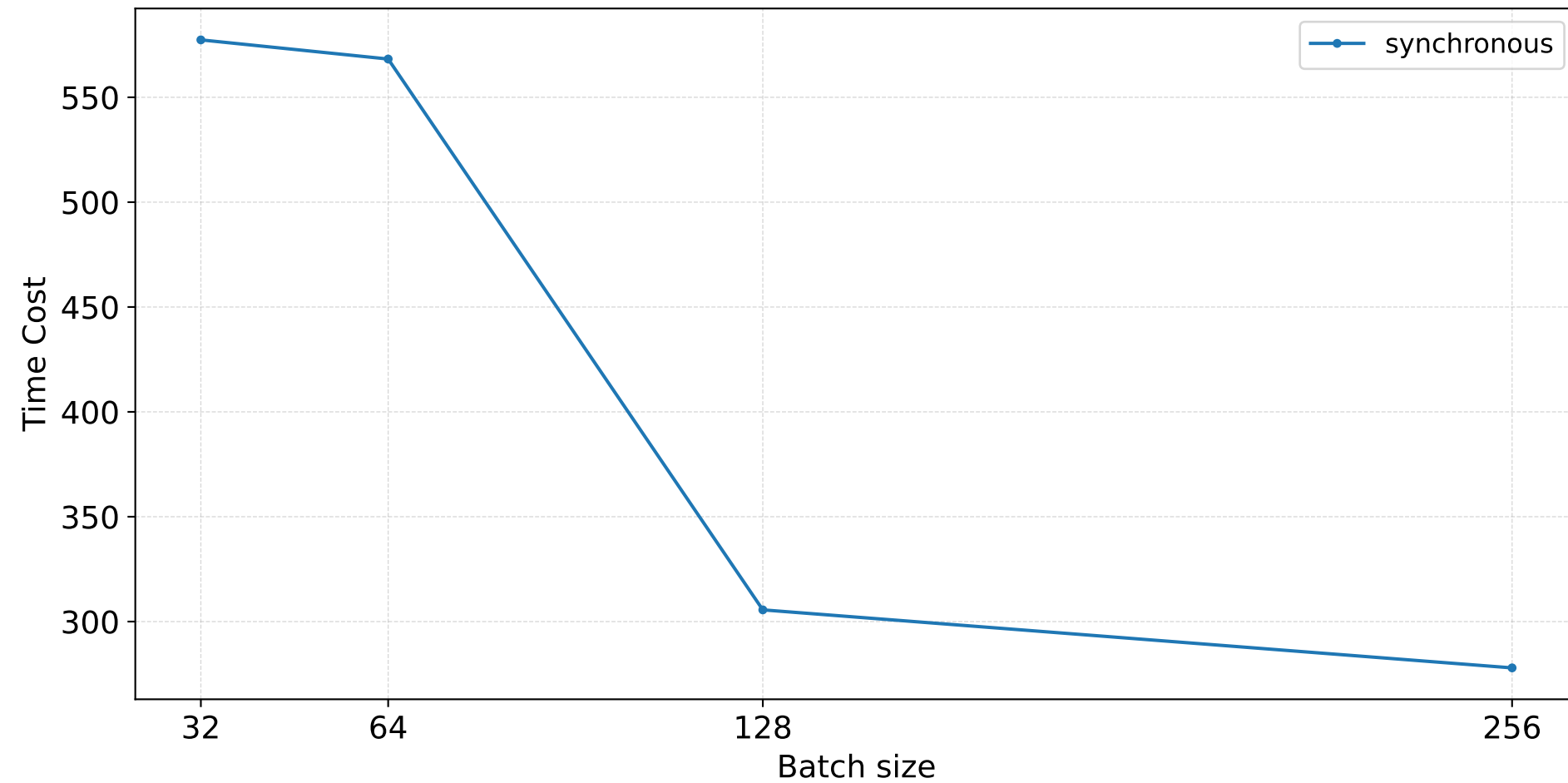


Hypercube Communication Model

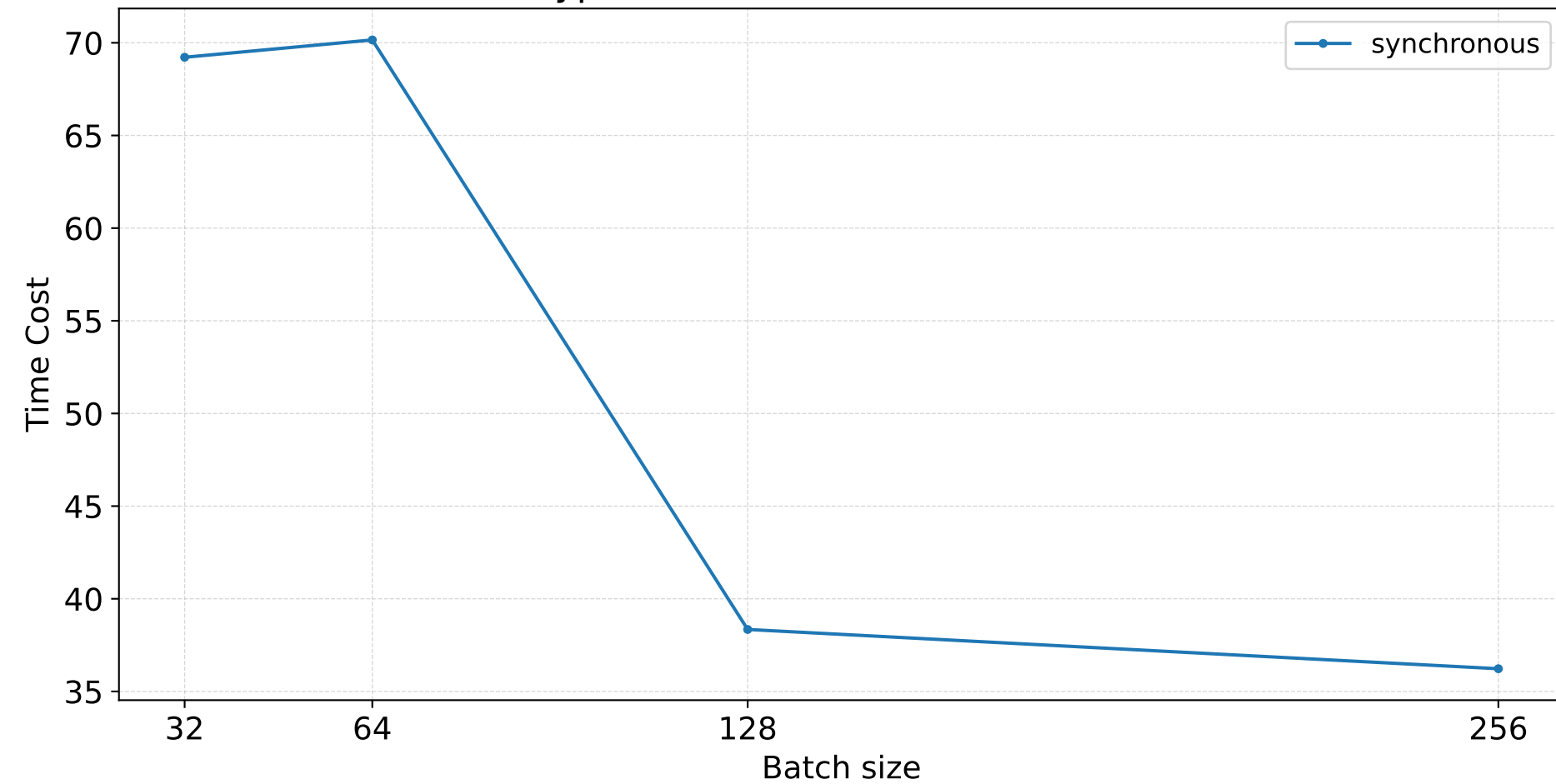


Num Clients : 55 ,  $\Theta$  : 5.0

Common Channel Communication Model

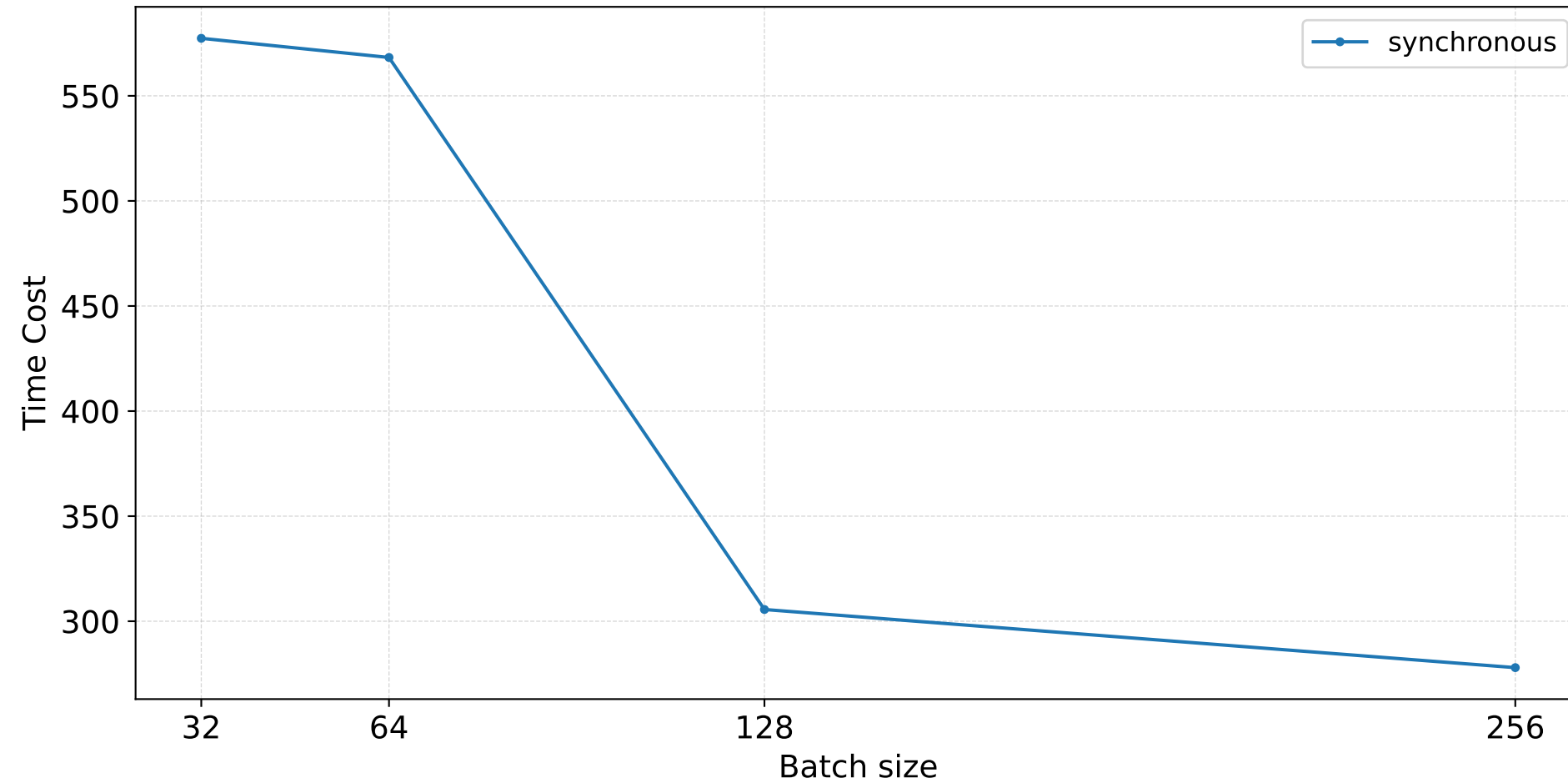


Hypercube Communication Model

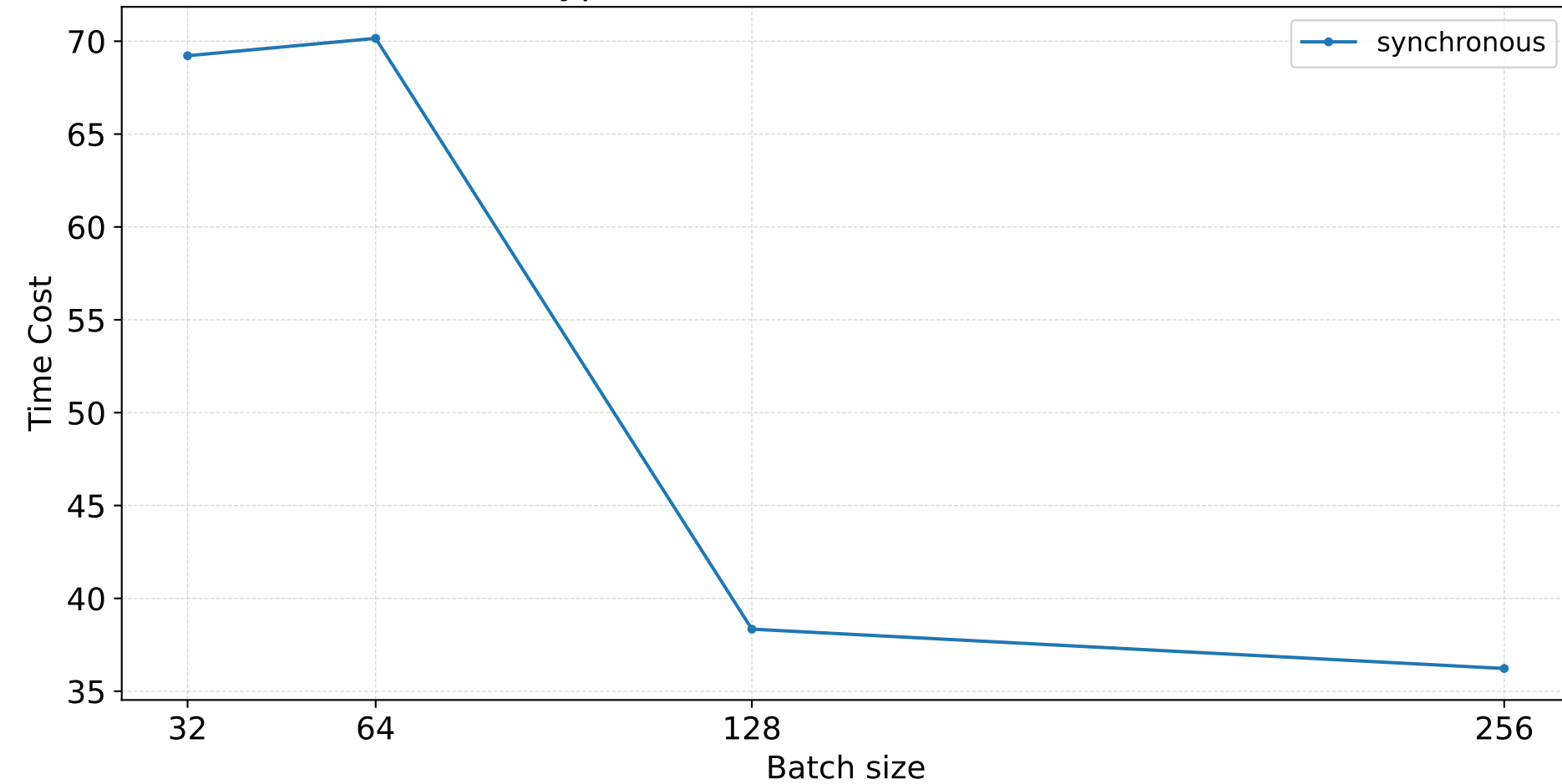


Num Clients : 55 ,  $\Theta$  : 7.0

Common Channel Communication Model

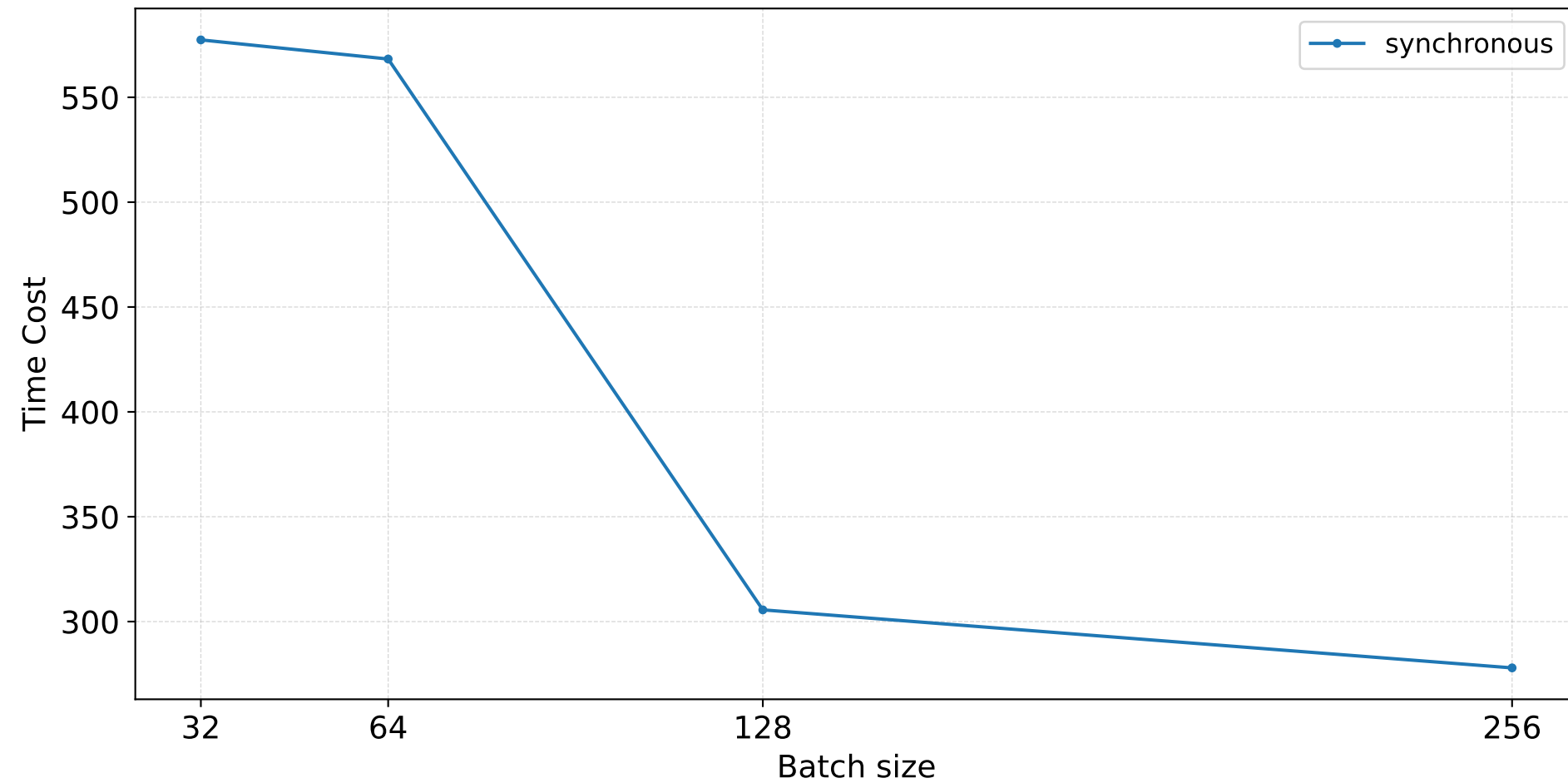


Hypercube Communication Model

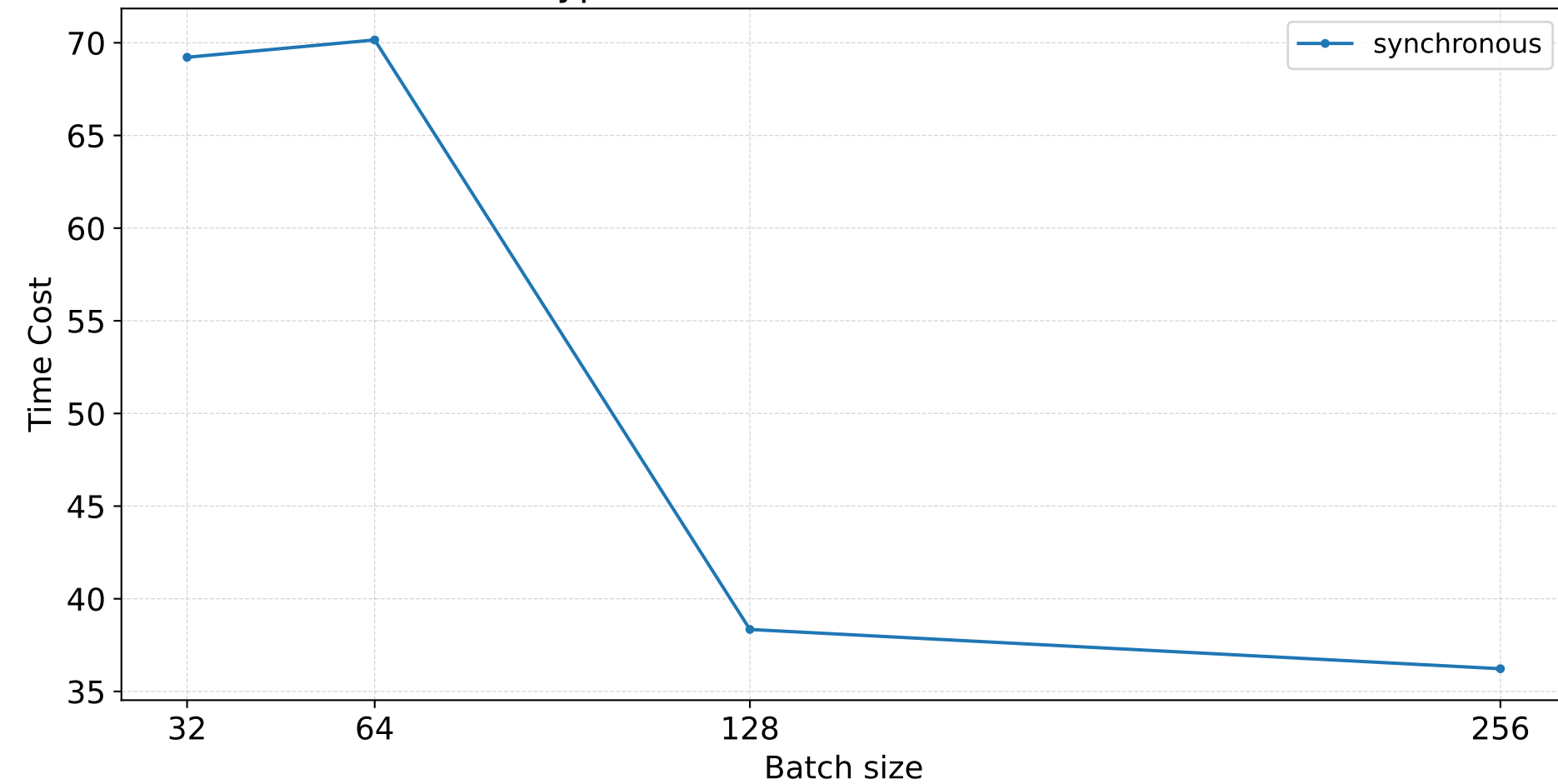


Num Clients : 55 ,  $\Theta$  : 10.0

Common Channel Communication Model

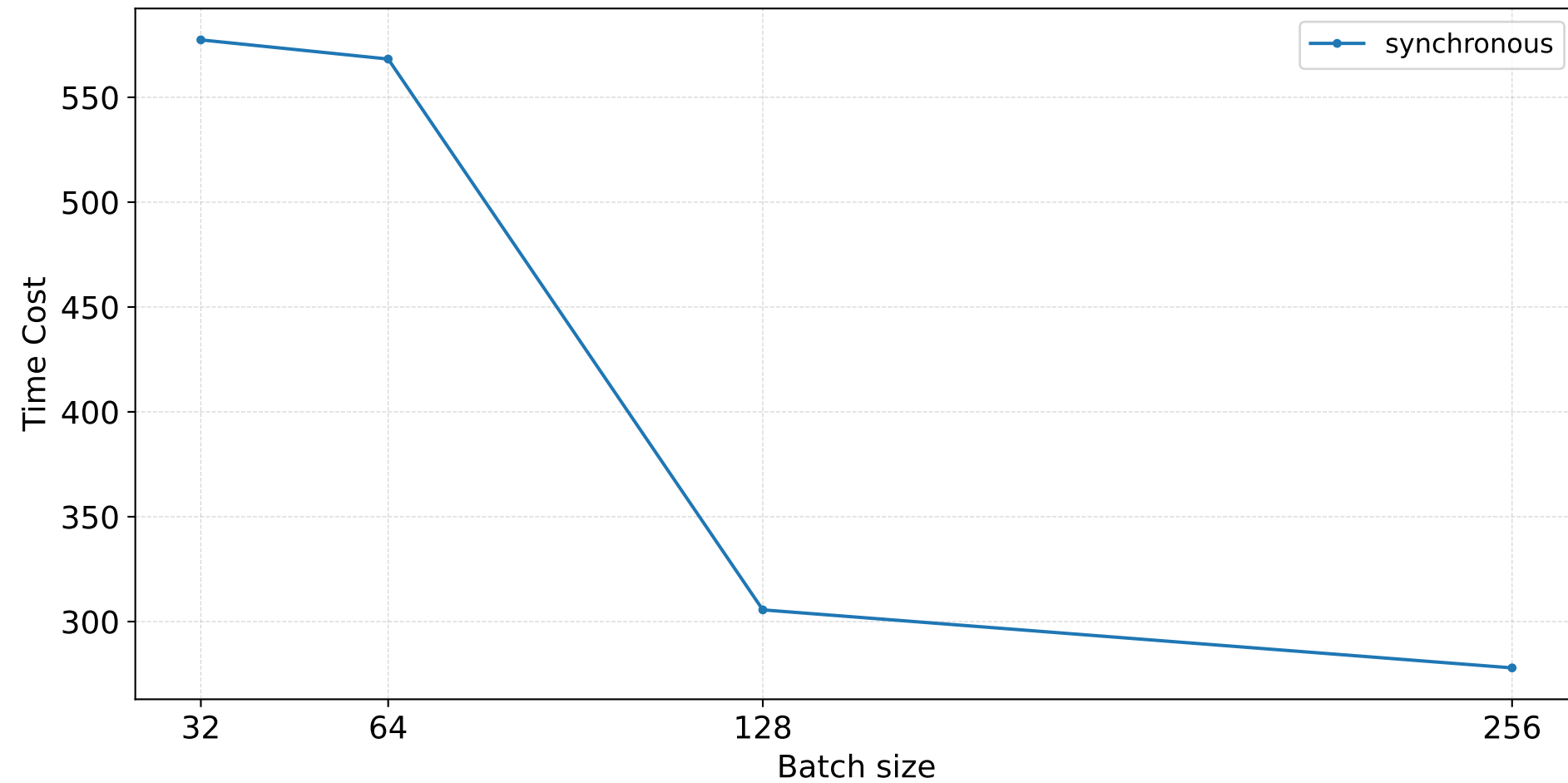


Hypercube Communication Model

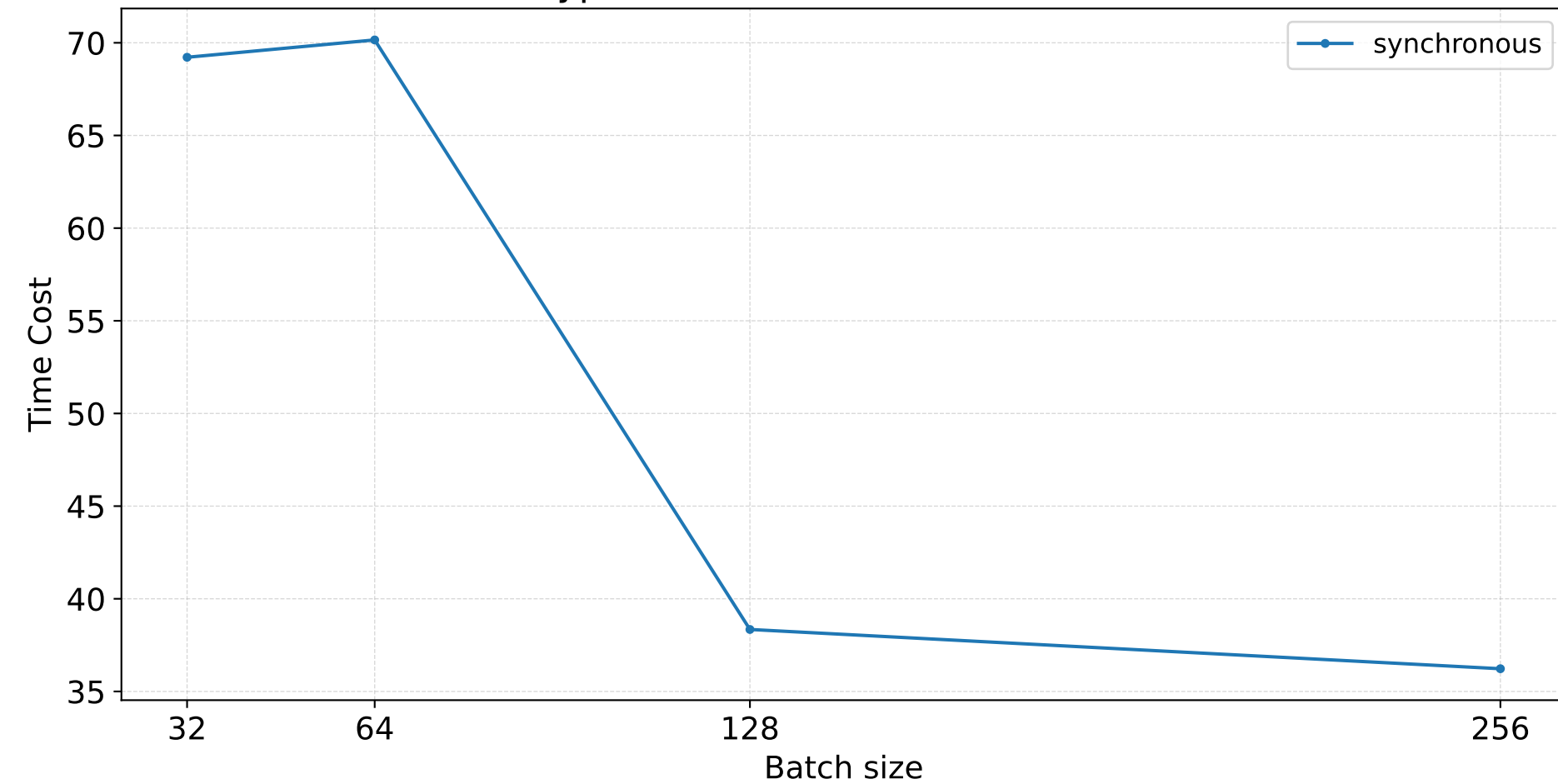


Num Clients : 55 ,  $\Theta$  : 12.0

Common Channel Communication Model

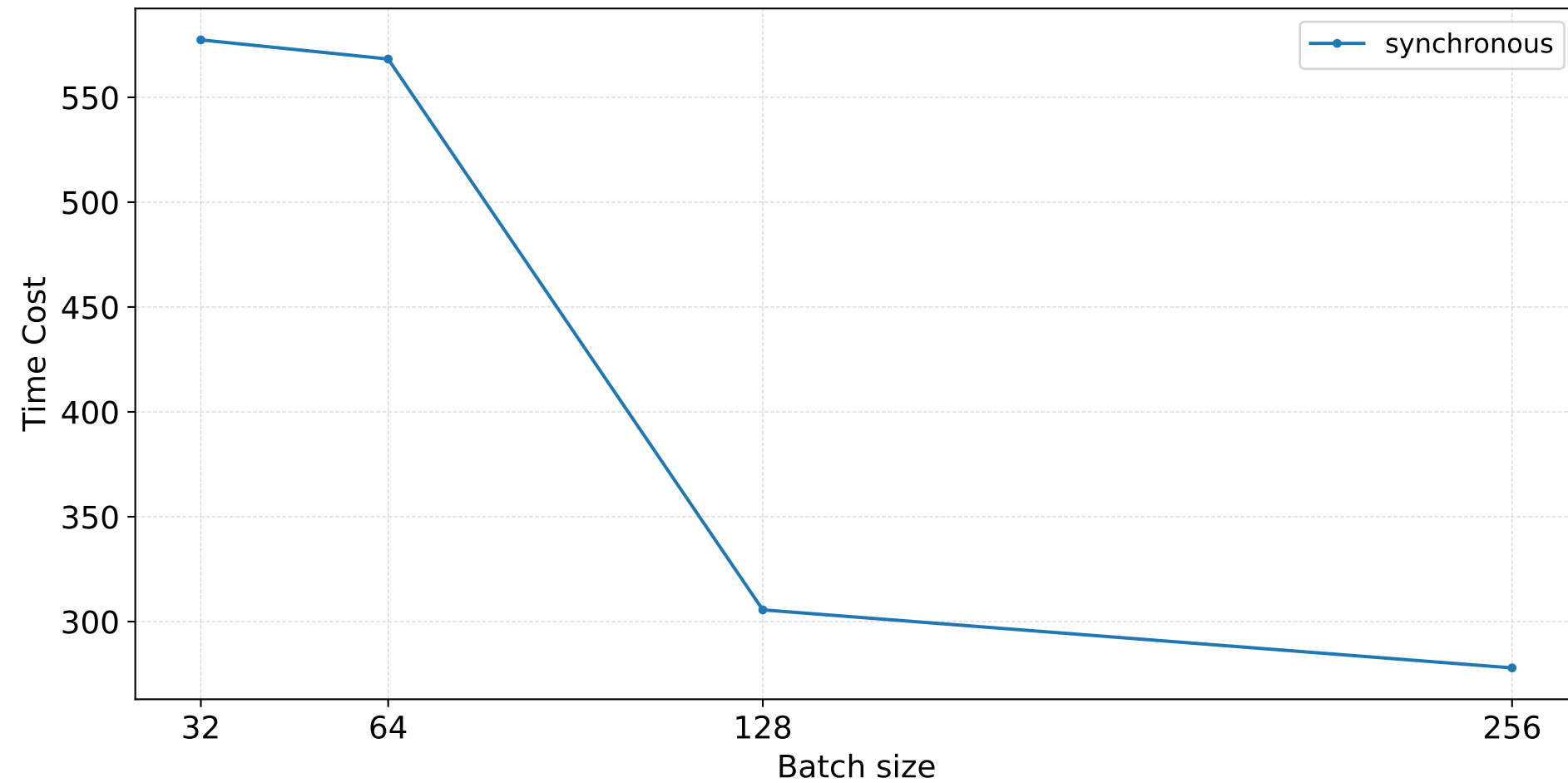


Hypercube Communication Model

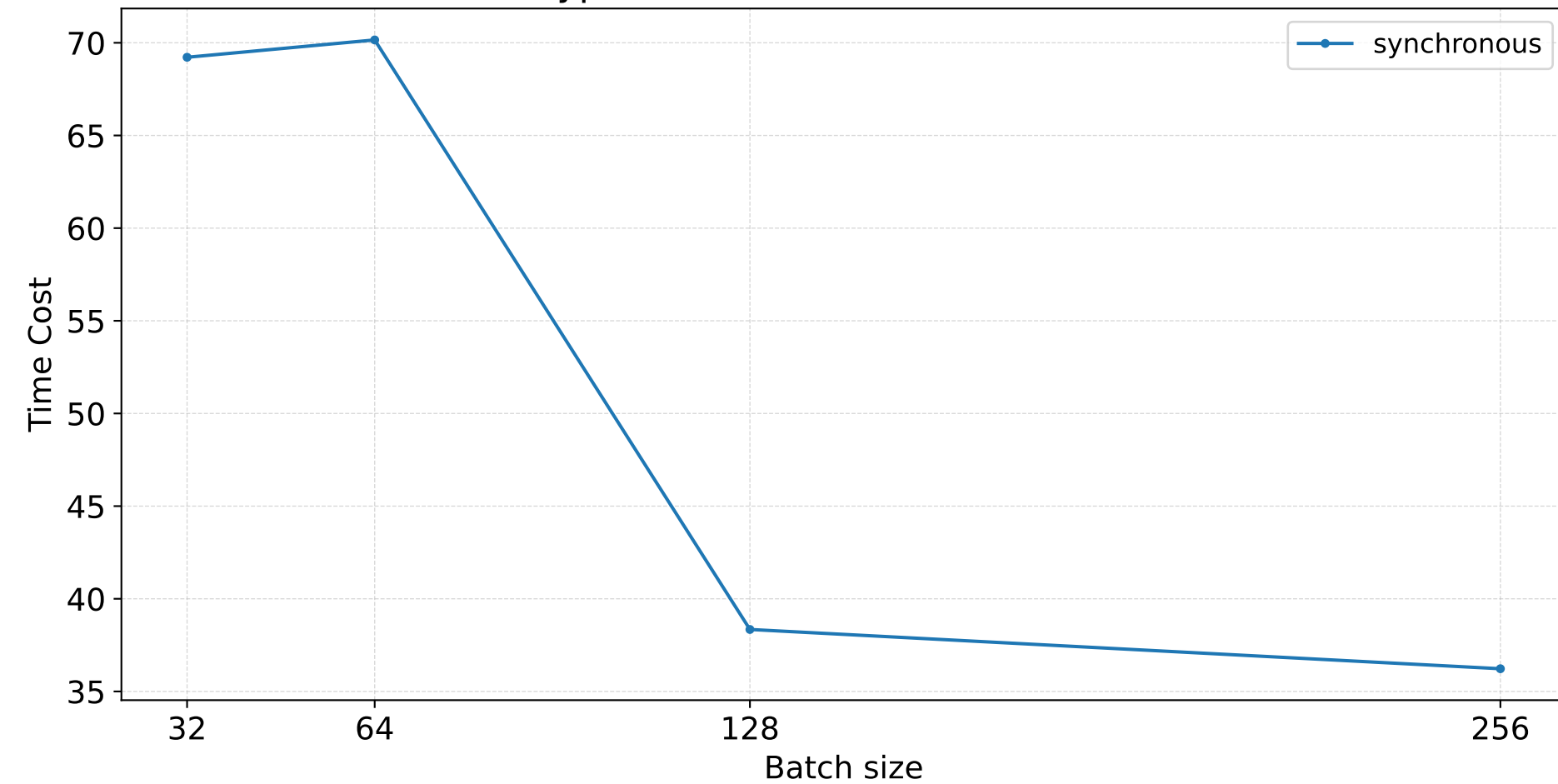


Num Clients : 55 ,  $\Theta$  : 15.0

Common Channel Communication Model

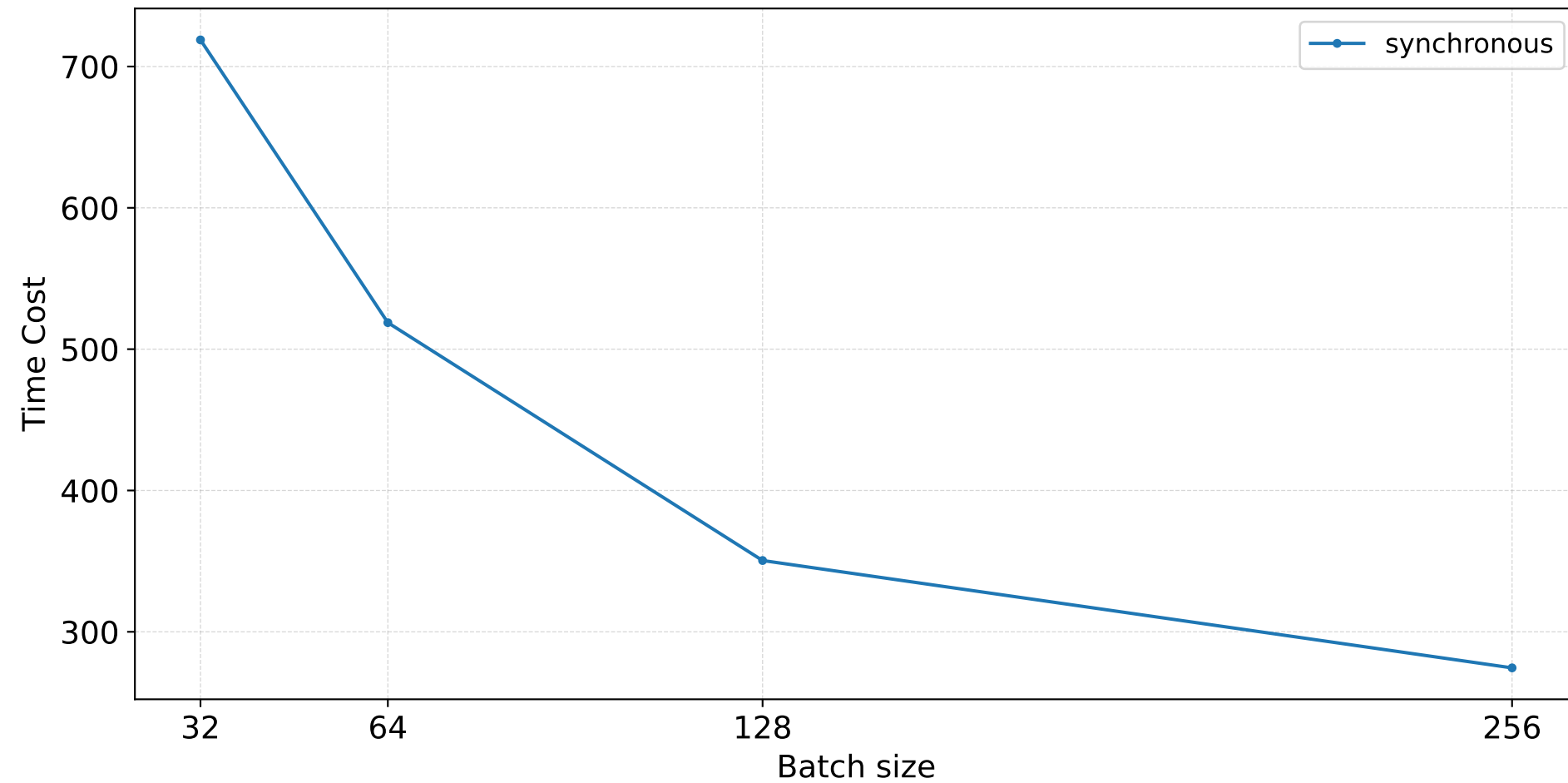


Hypercube Communication Model

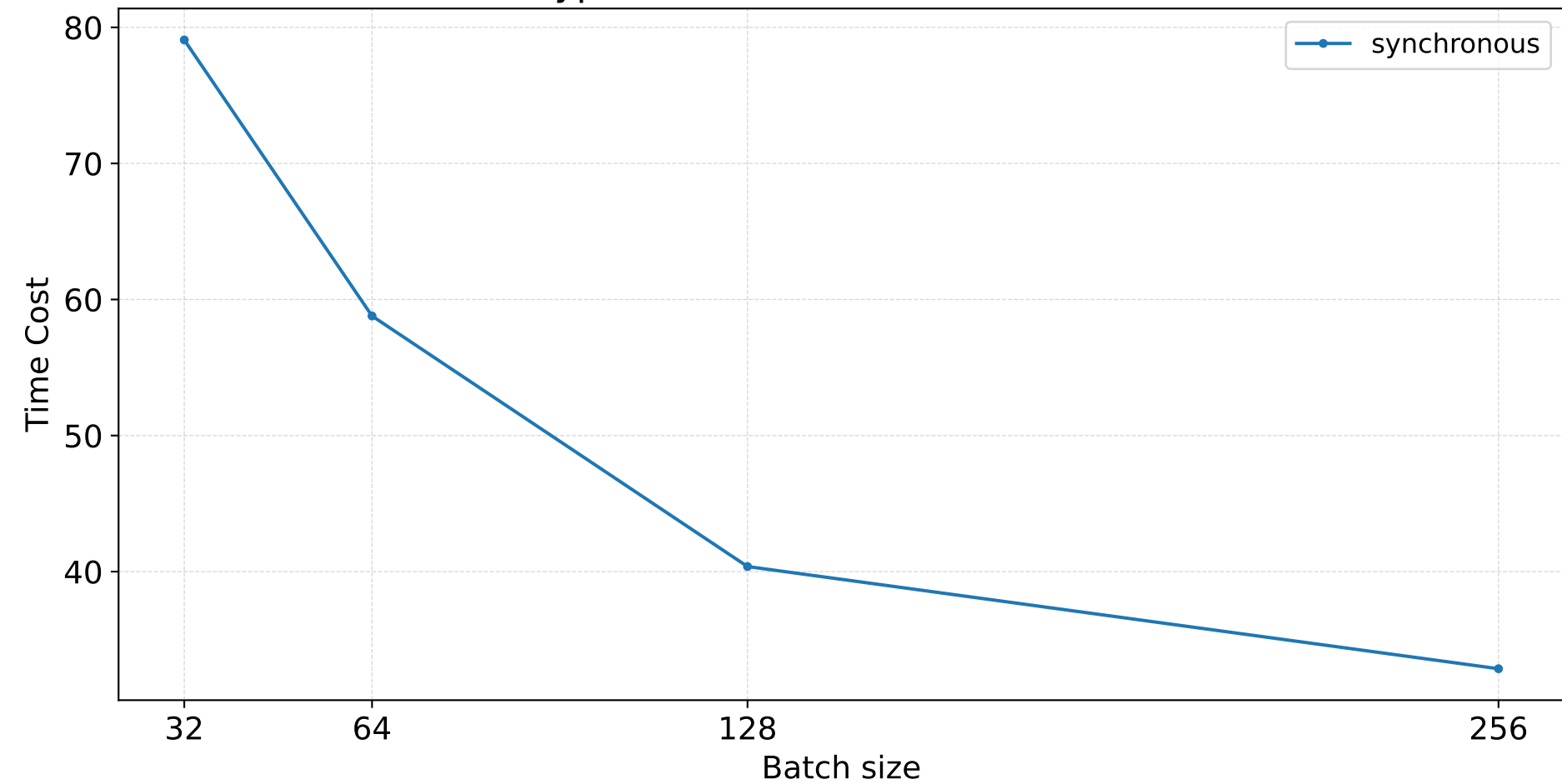


Num Clients : 60 ,  $\Theta$  : 0.5

Common Channel Communication Model

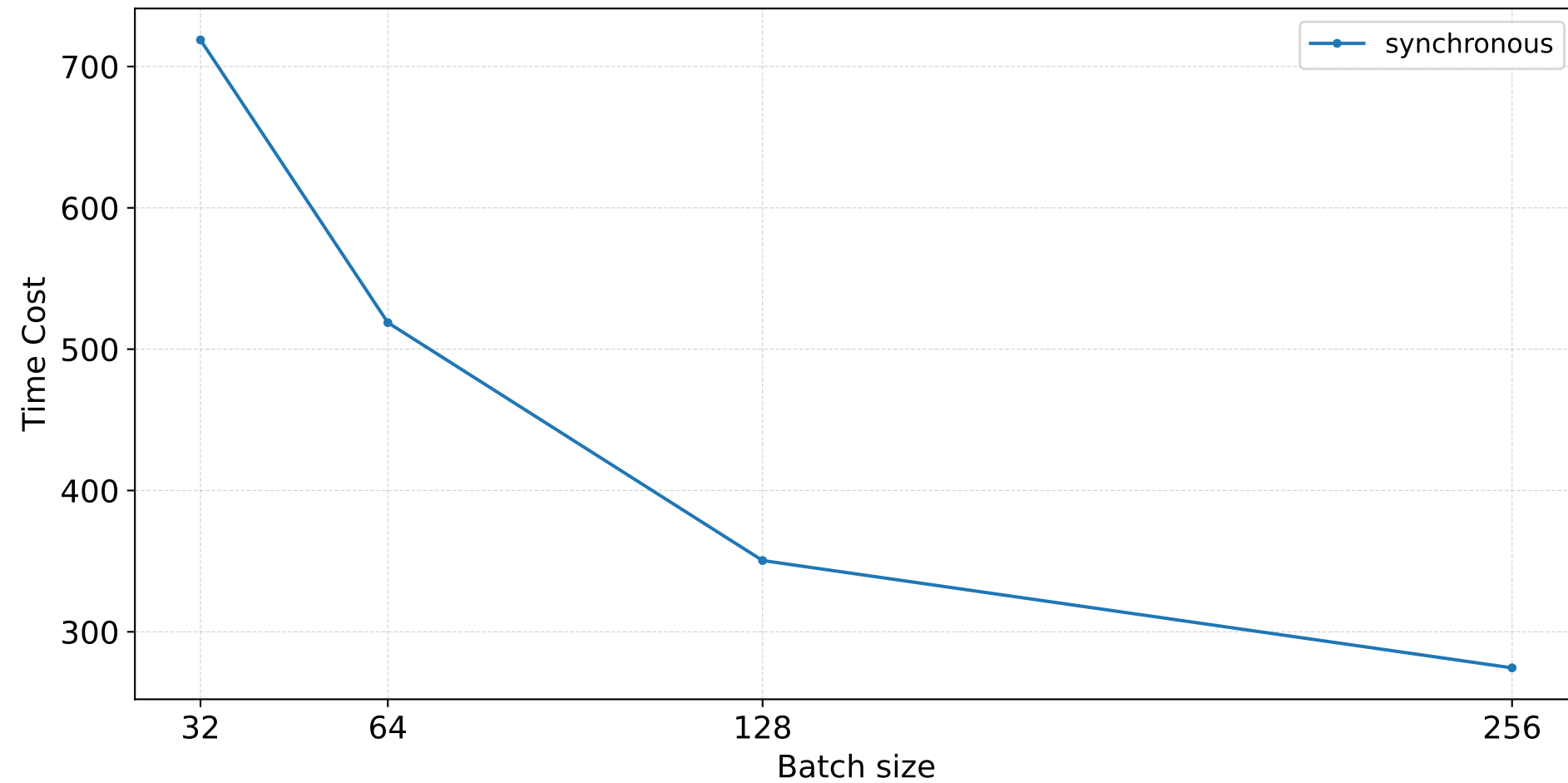


Hypercube Communication Model

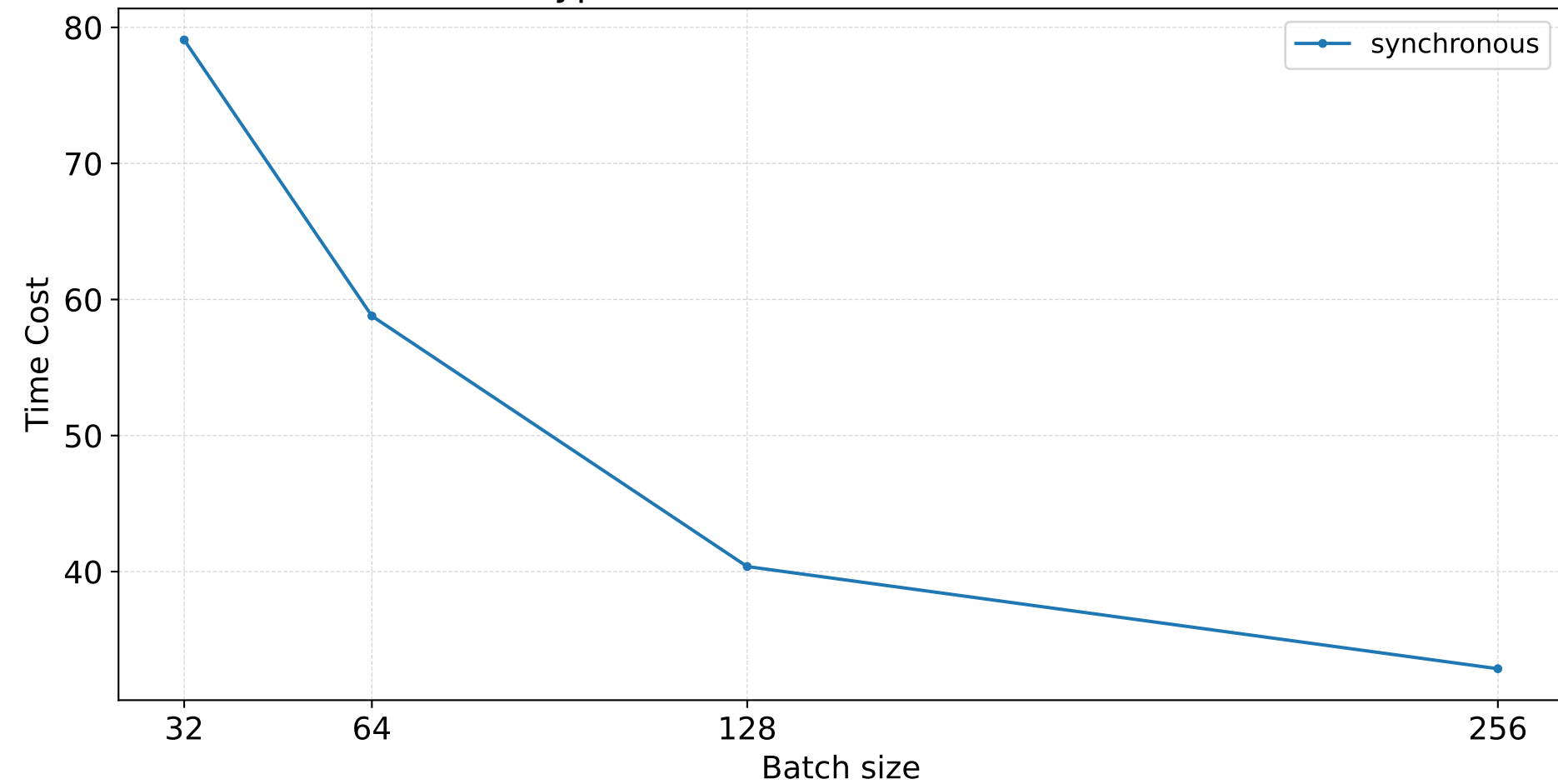


Num Clients : 60 ,  $\Theta$  : 1.0

Common Channel Communication Model



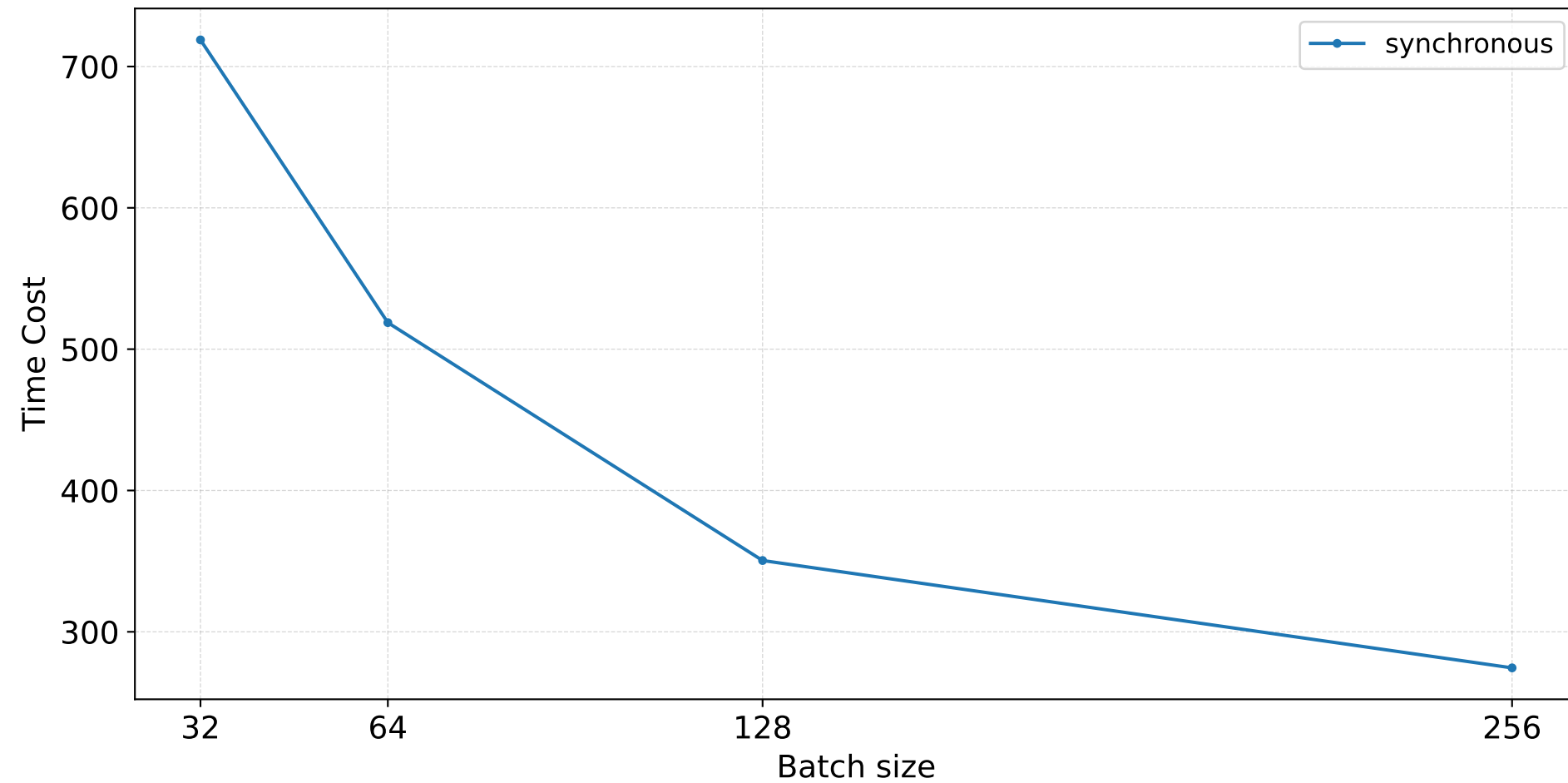
Hypercube Communication Model



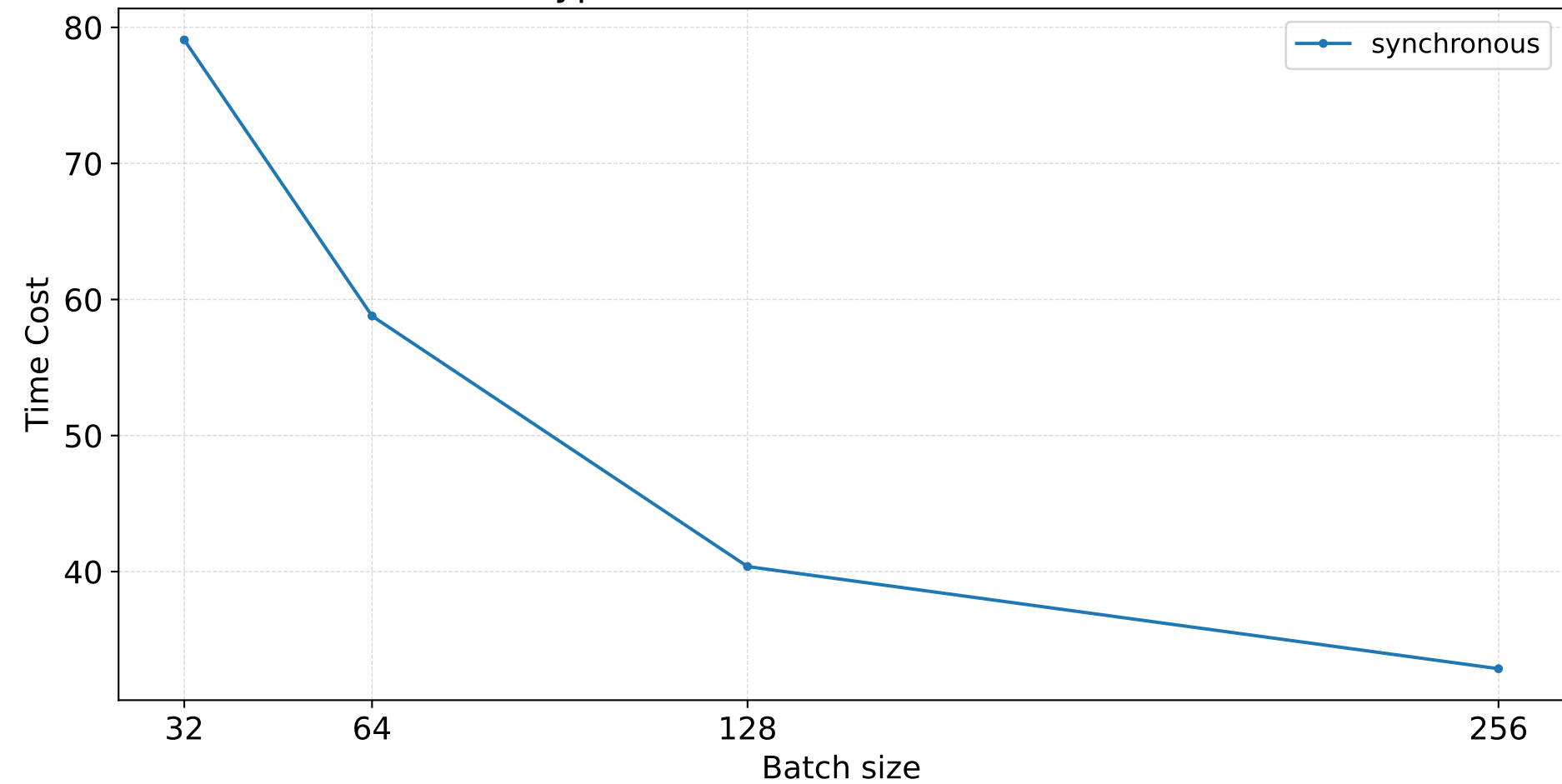


Num Clients : 60 ,  $\Theta$  : 1.5

Common Channel Communication Model

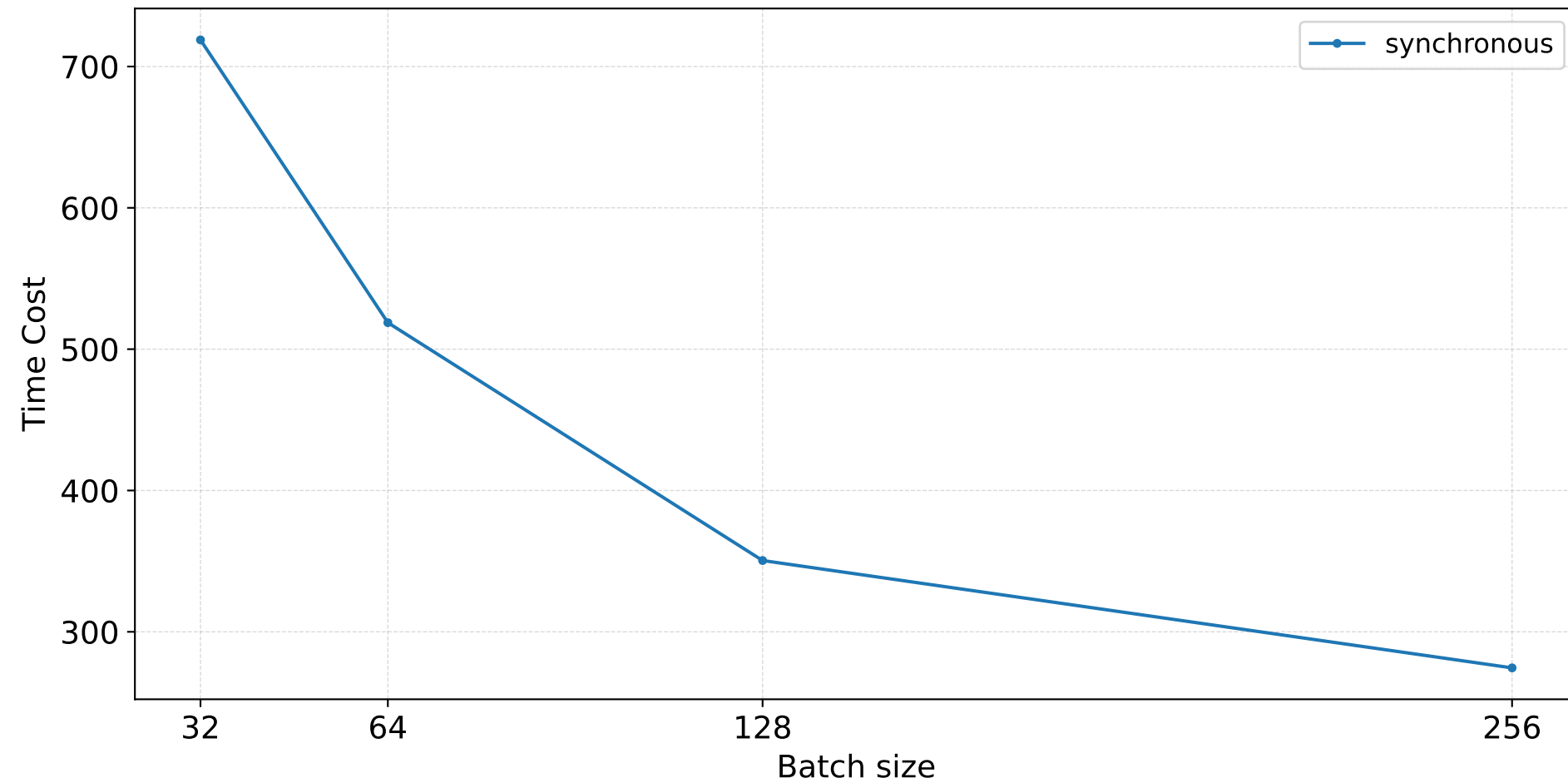


Hypercube Communication Model

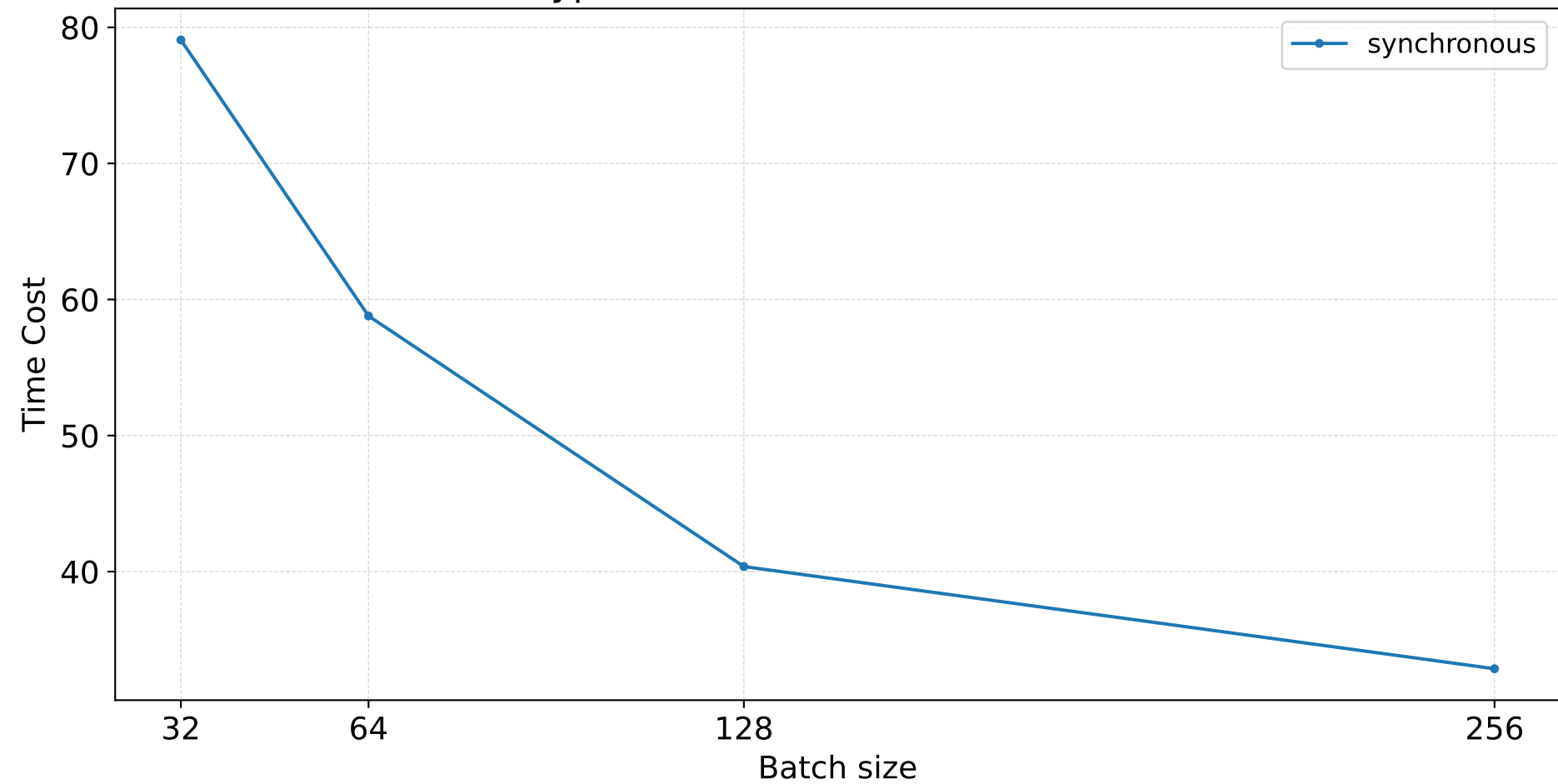


Num Clients : 60 ,  $\Theta$  : 2.0

Common Channel Communication Model

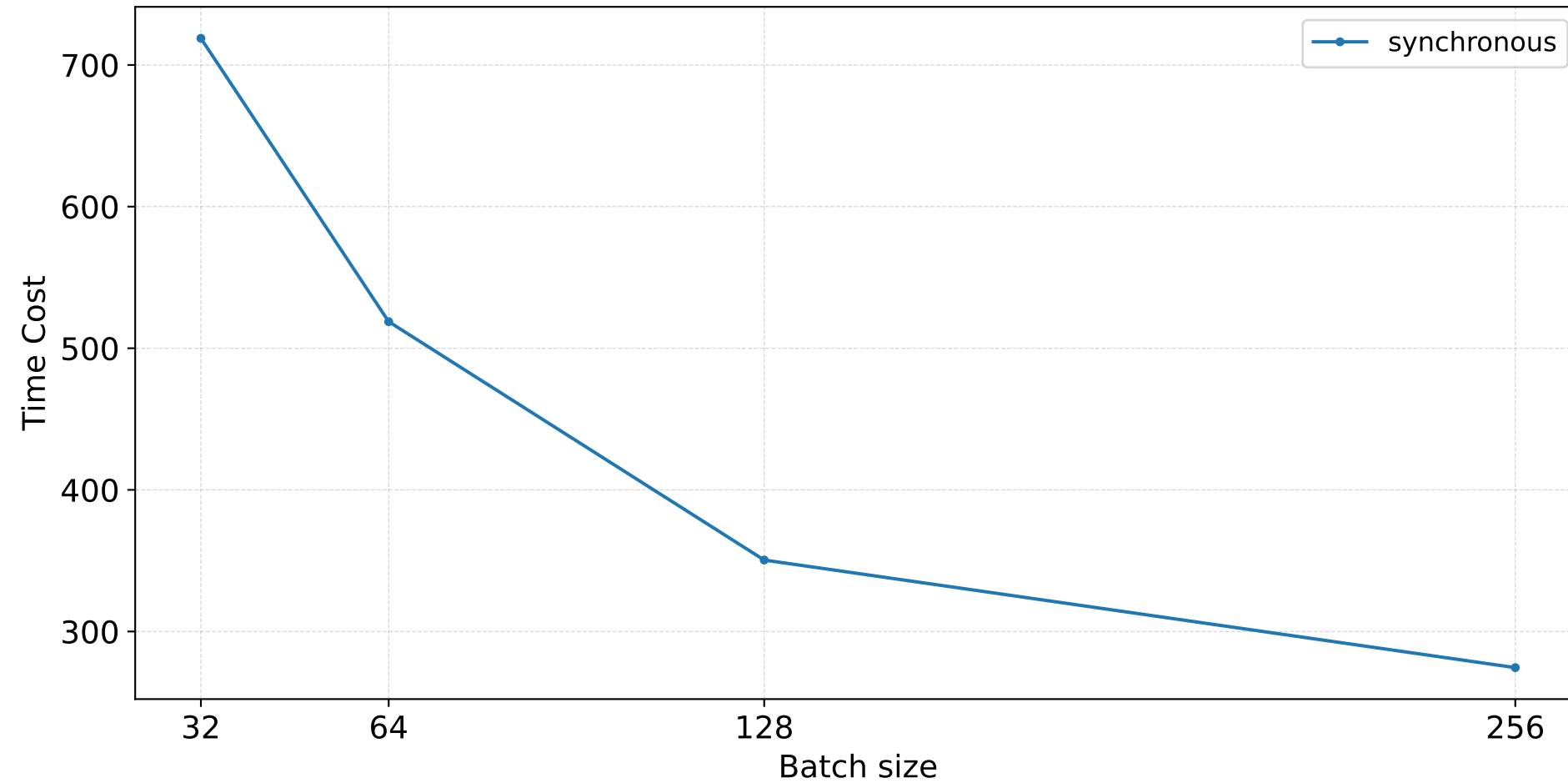


Hypercube Communication Model

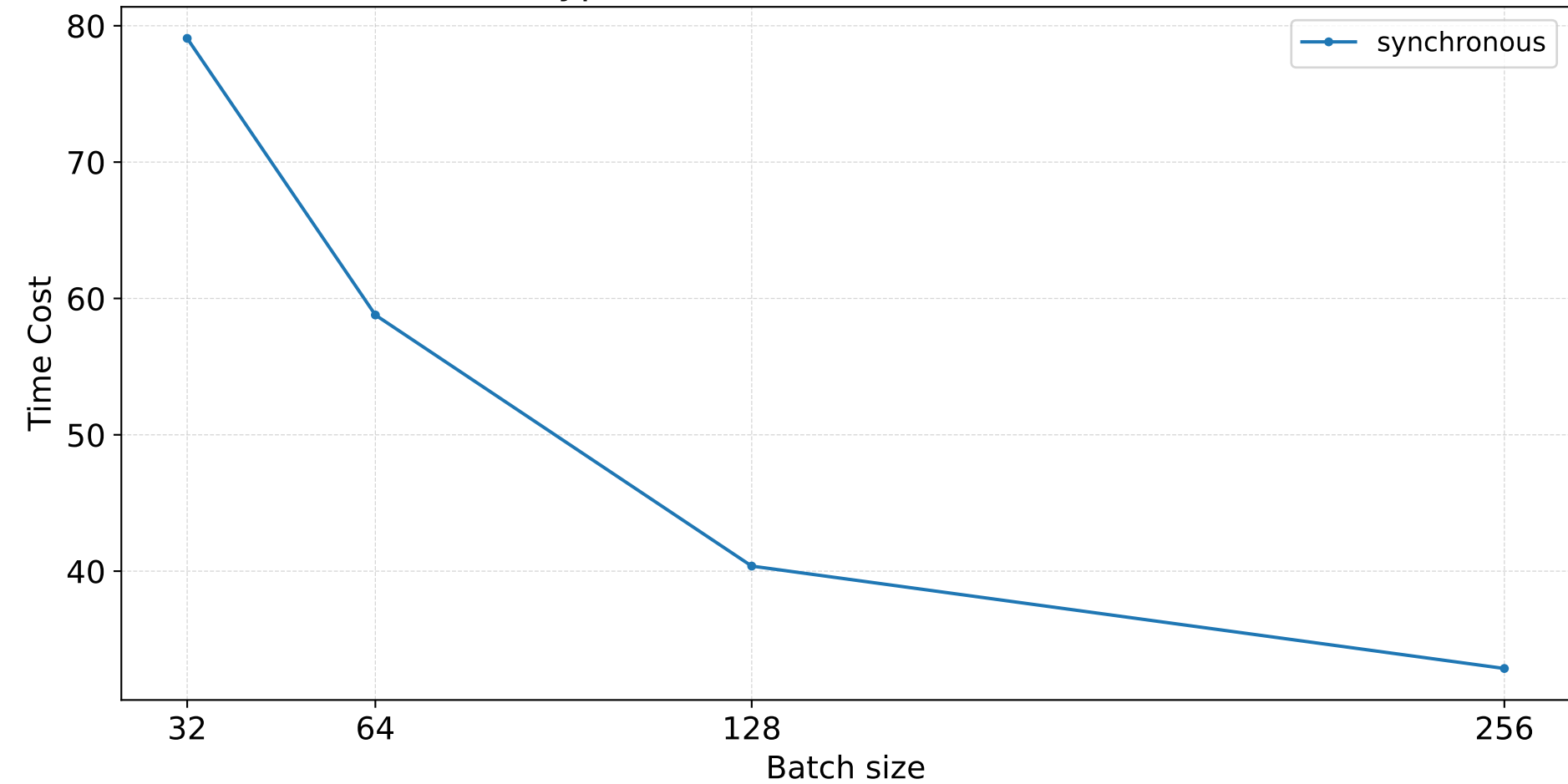


Num Clients : 60 ,  $\Theta$  : 3.0

Common Channel Communication Model

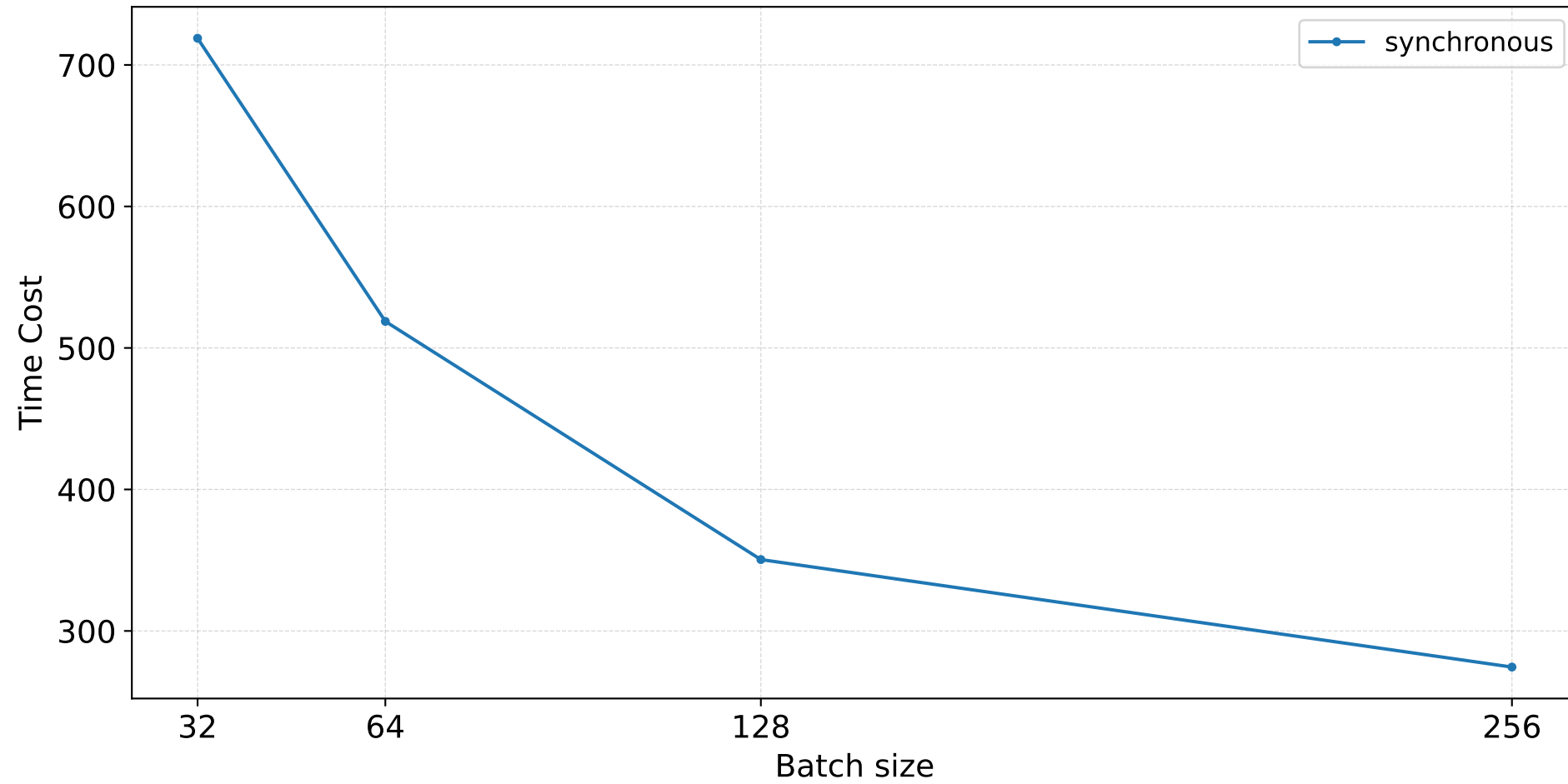


Hypercube Communication Model

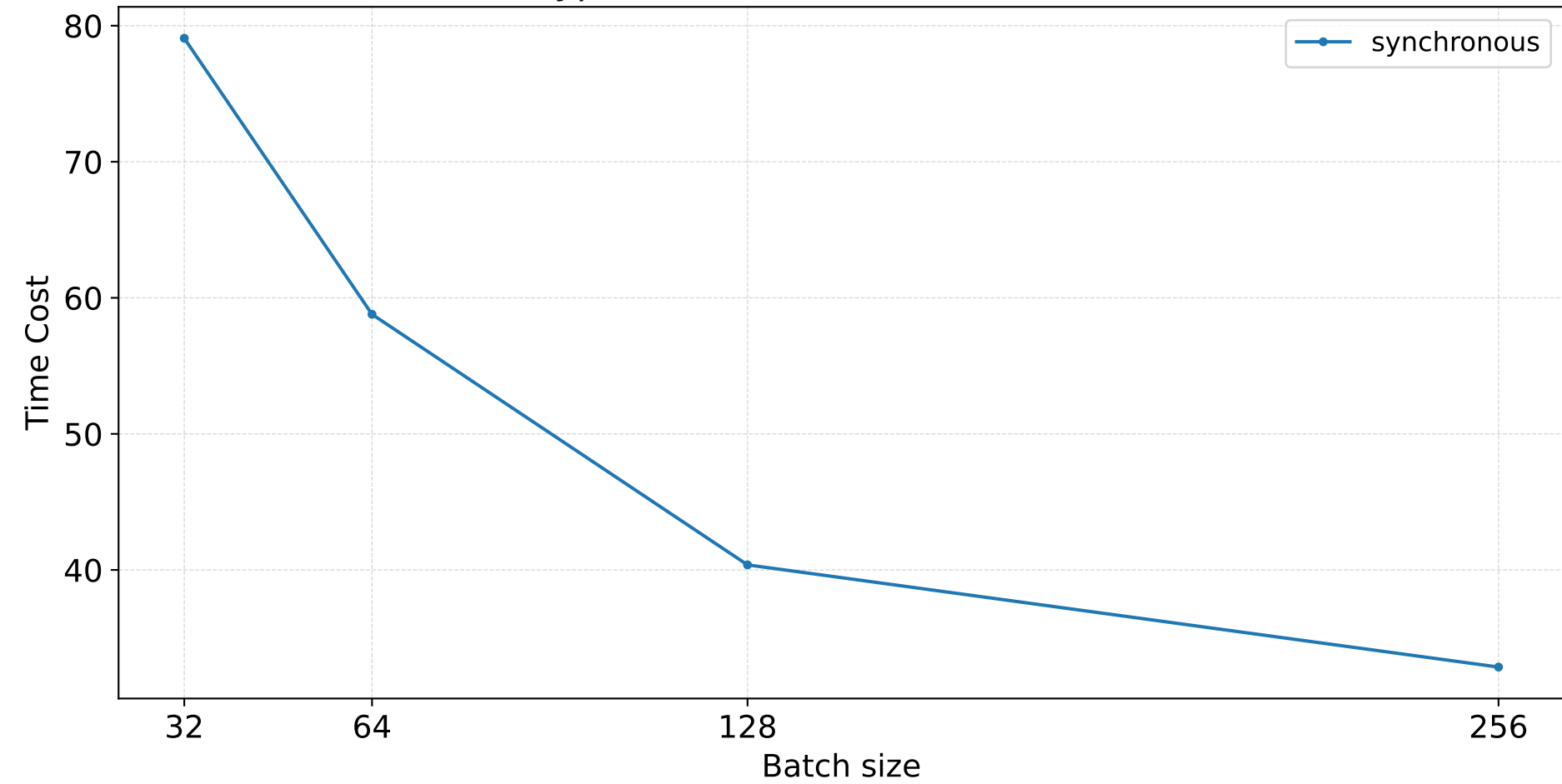


Num Clients : 60 ,  $\Theta$  : 5.0

Common Channel Communication Model

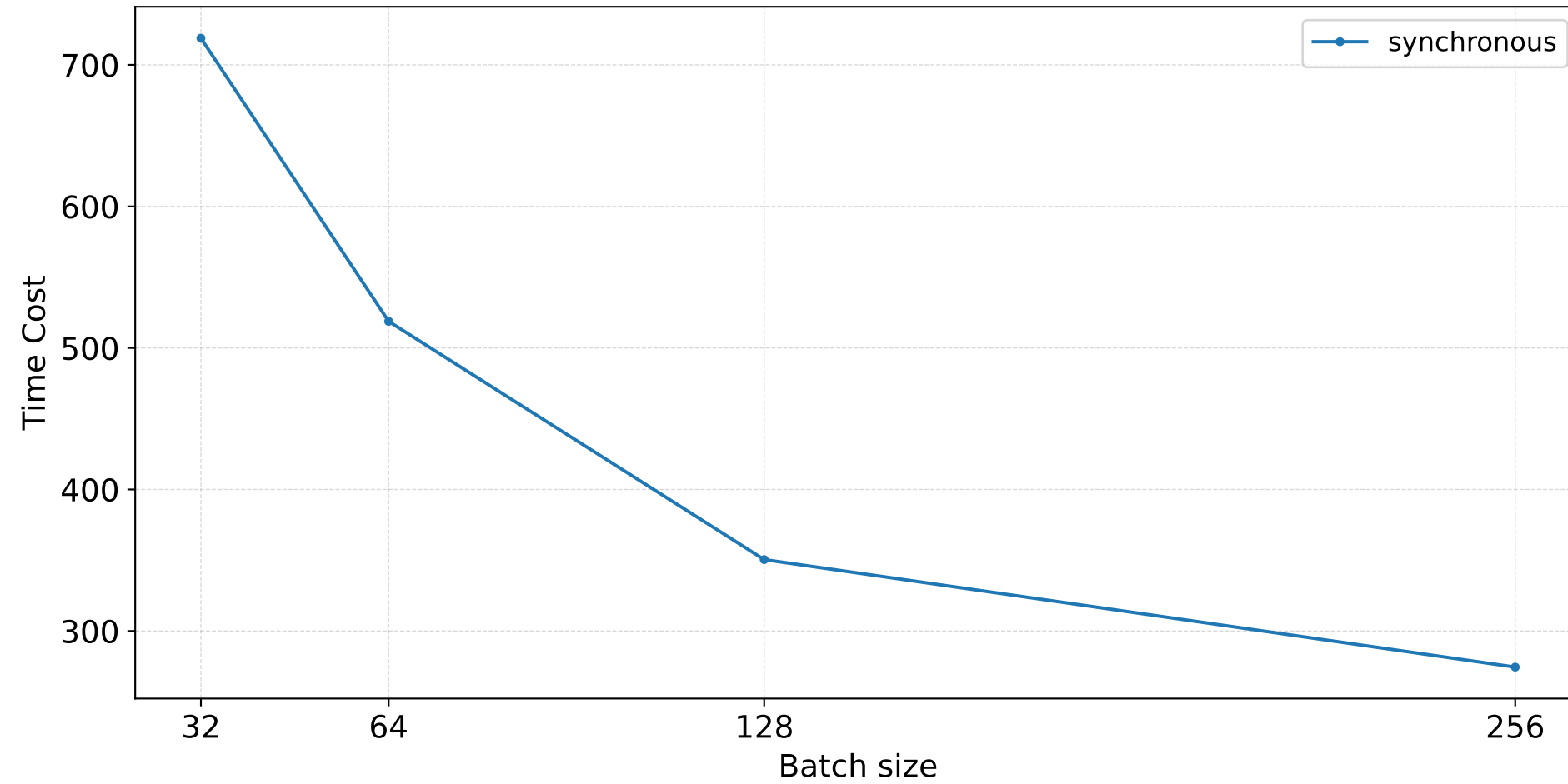


Hypercube Communication Model

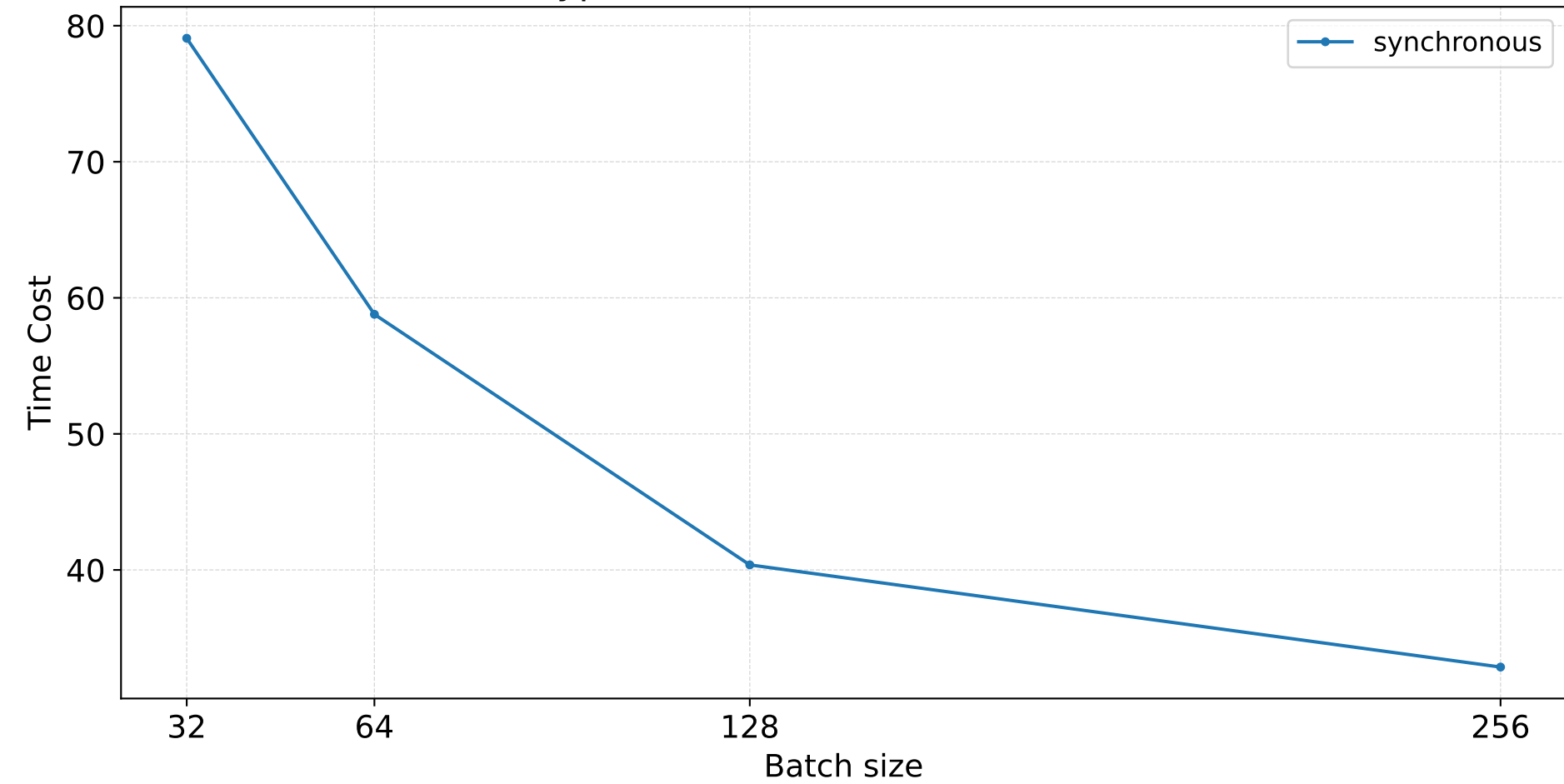


Num Clients : 60 ,  $\Theta$  : 7.0

Common Channel Communication Model

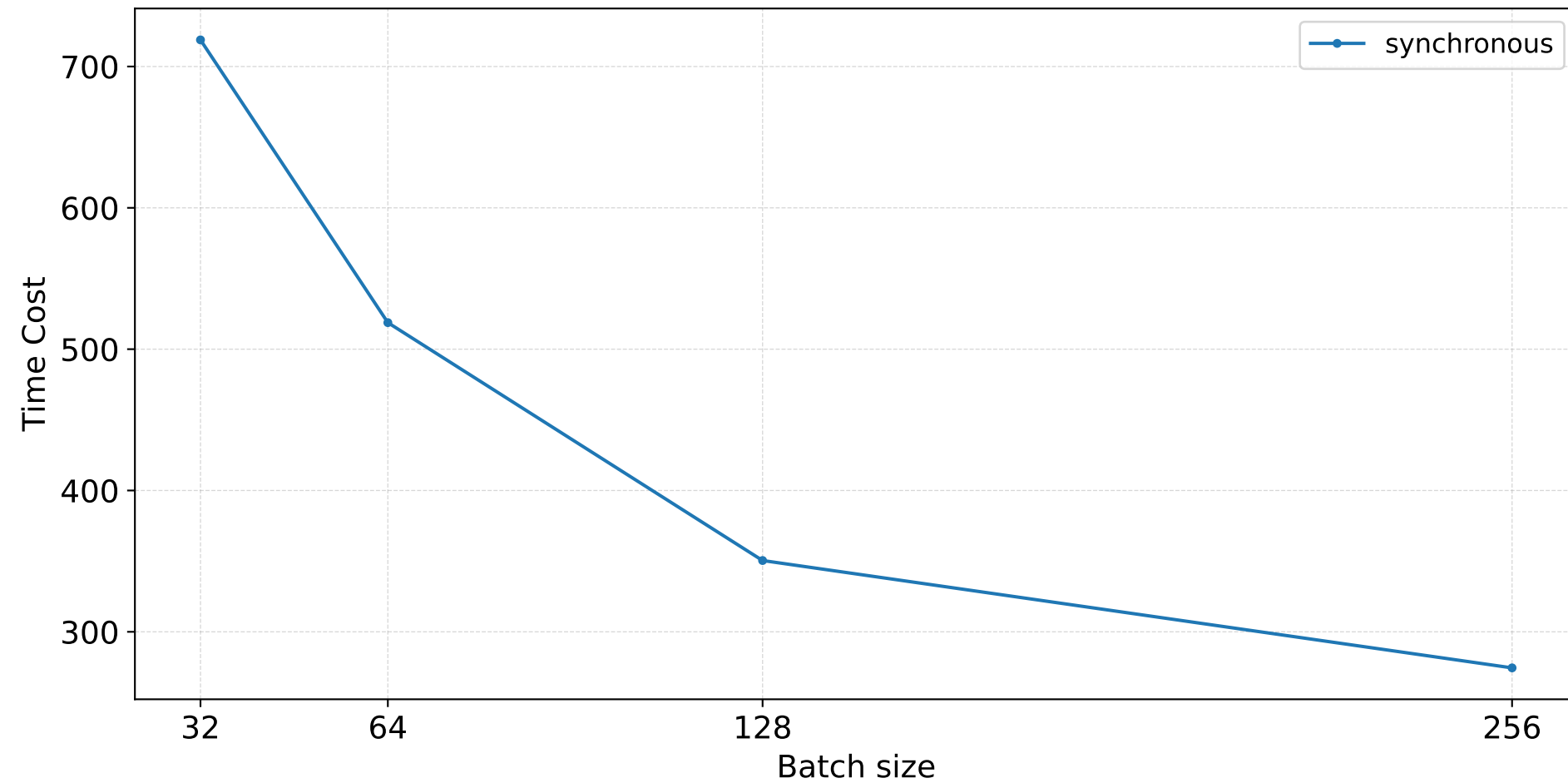


Hypercube Communication Model

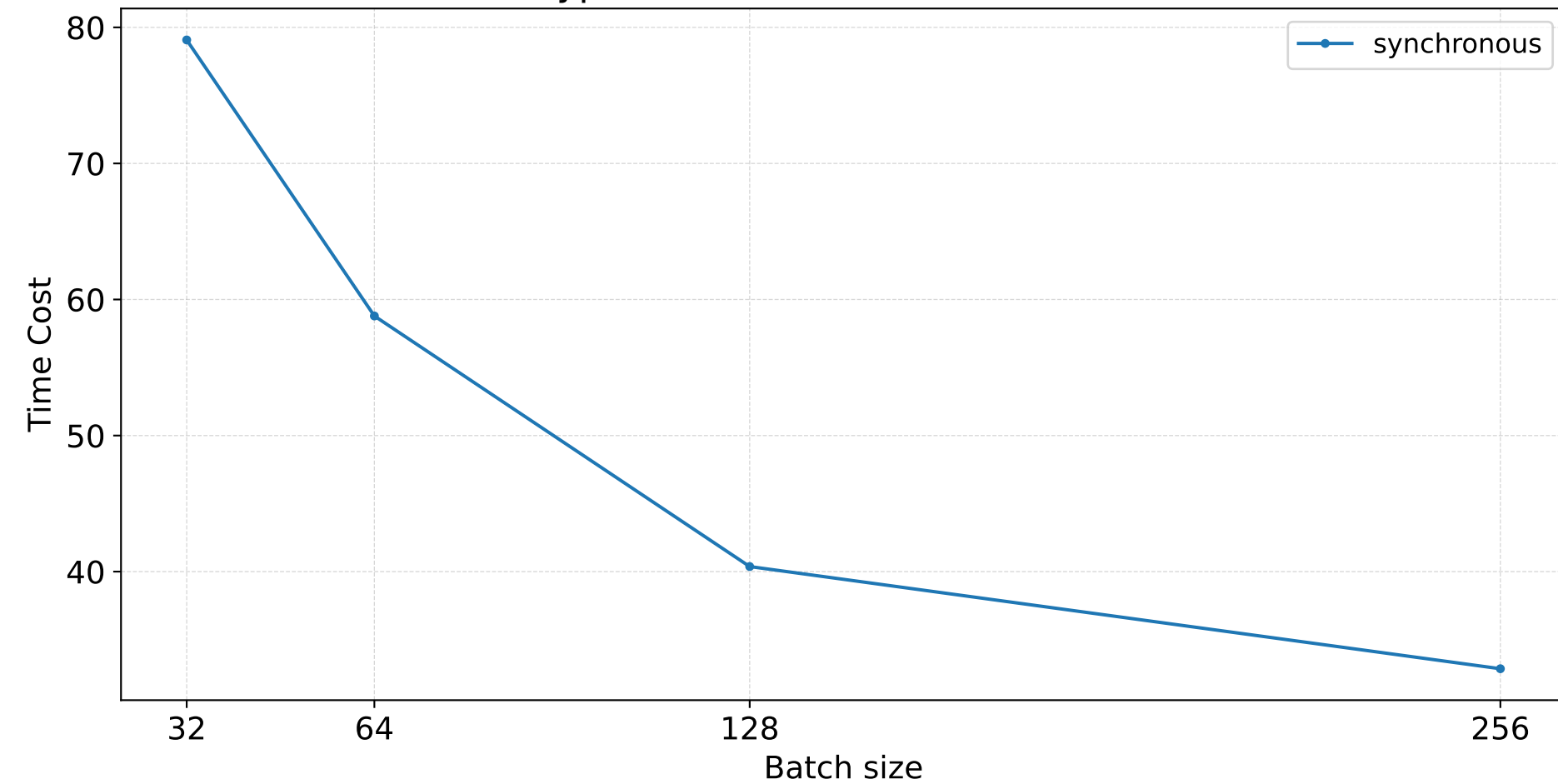


Num Clients : 60 ,  $\Theta$  : 10.0

Common Channel Communication Model

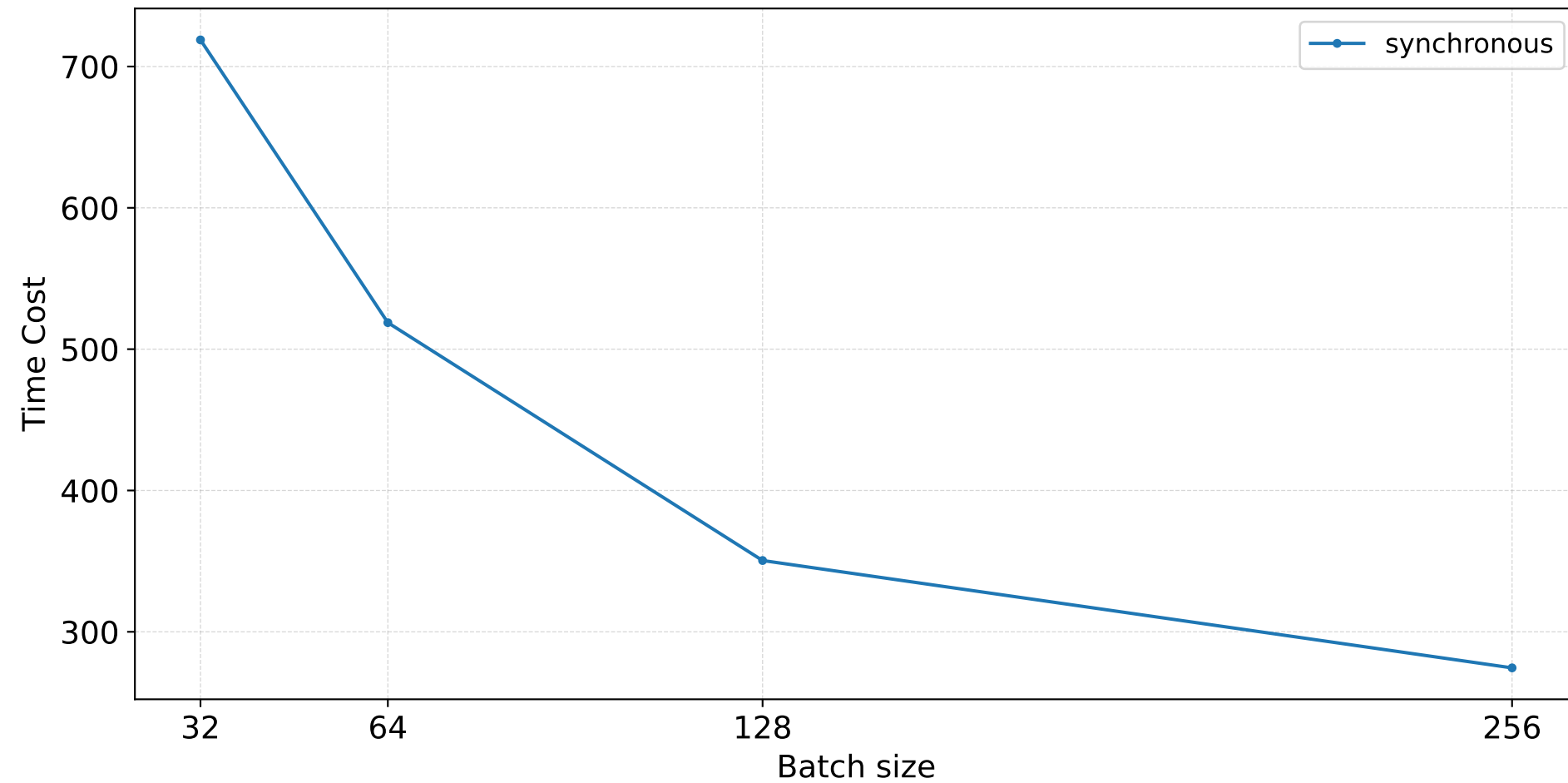


Hypercube Communication Model

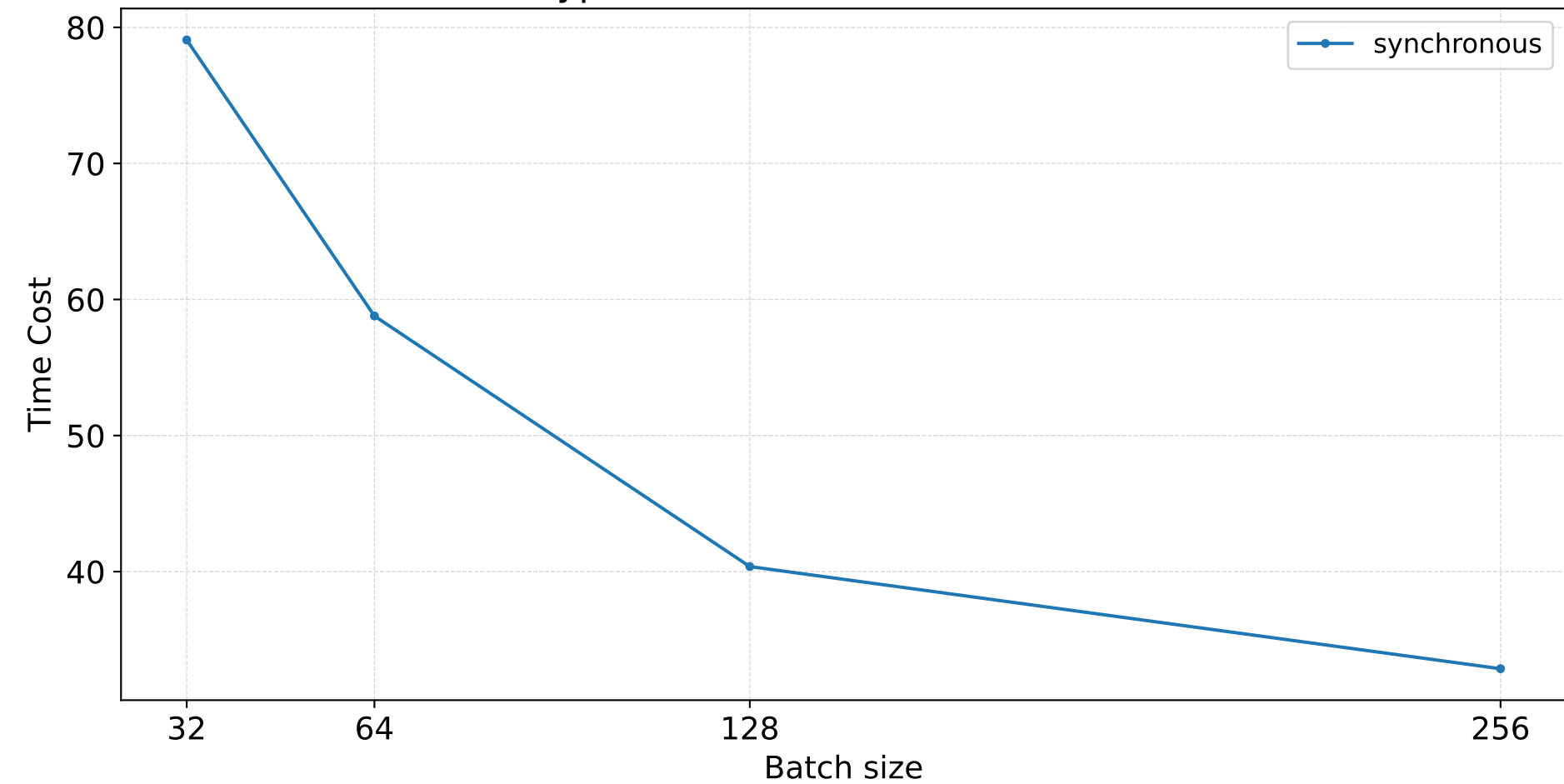


Num Clients : 60 ,  $\Theta$  : 12.0

Common Channel Communication Model

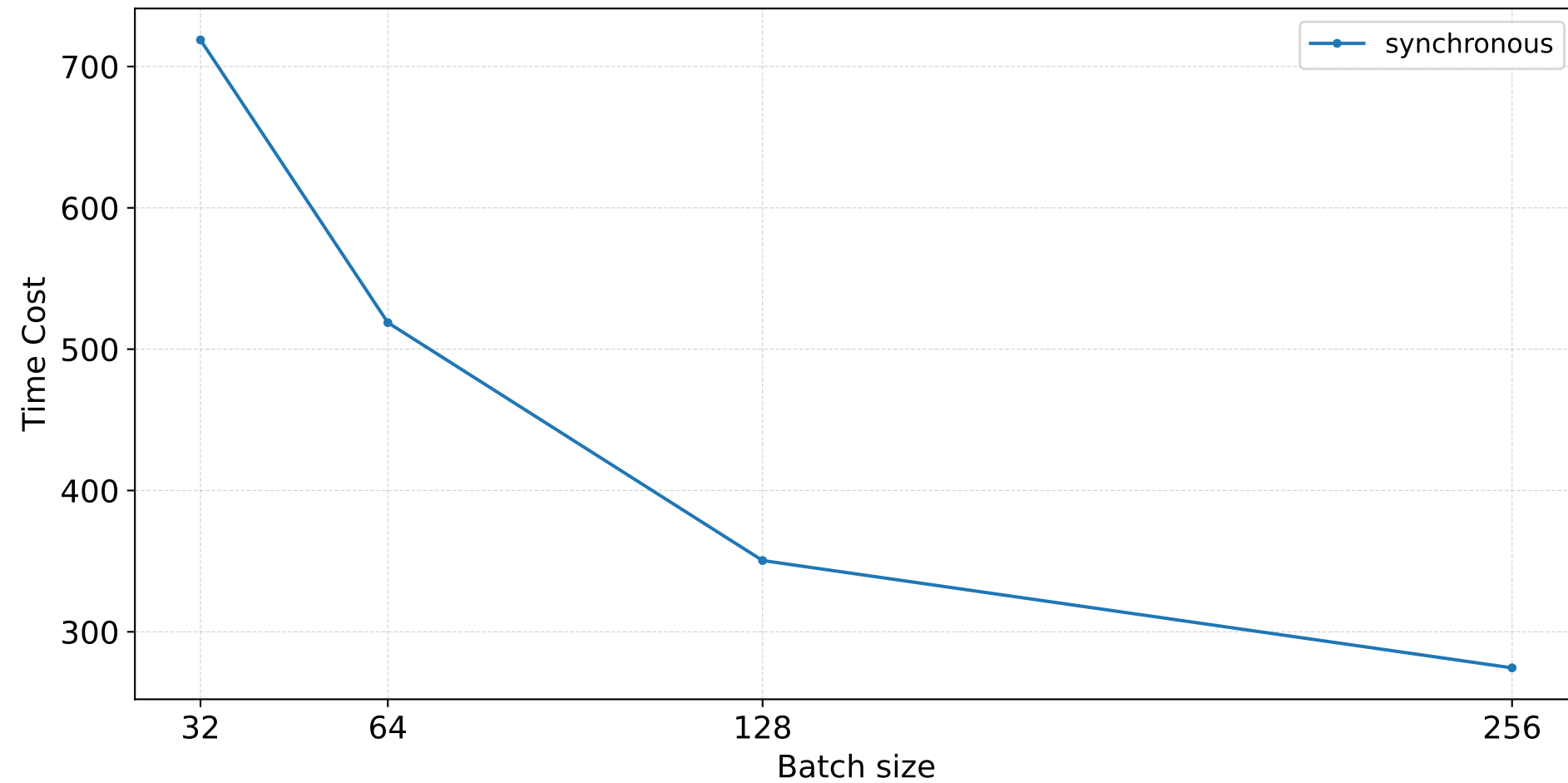


Hypercube Communication Model



Num Clients : 60 ,  $\Theta$  : 15.0

Common Channel Communication Model



Hypercube Communication Model

