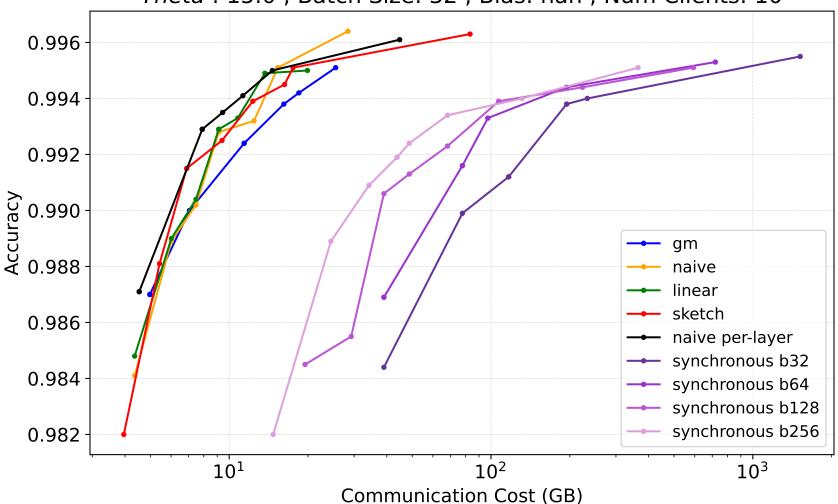
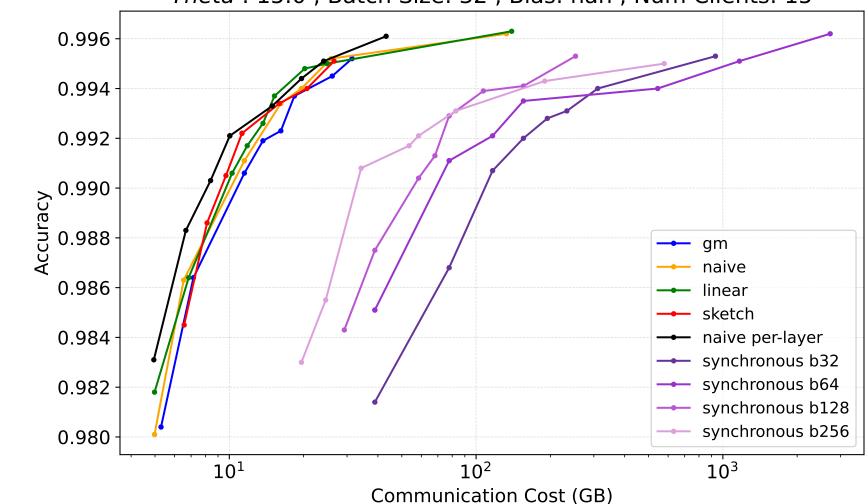
Theta: 15.0, Batch Size: 32, Bias: nan, Num Clients: 5 0.996 0.994 0.992 Accuracy 0.0 886.0 gm naive linear 0.986 sketch naive per-layer → synchronous b32 0.984 → synchronous b64 synchronous b128 0.982 synchronous b256 10¹ 10² 10³

Communication Cost (GB)

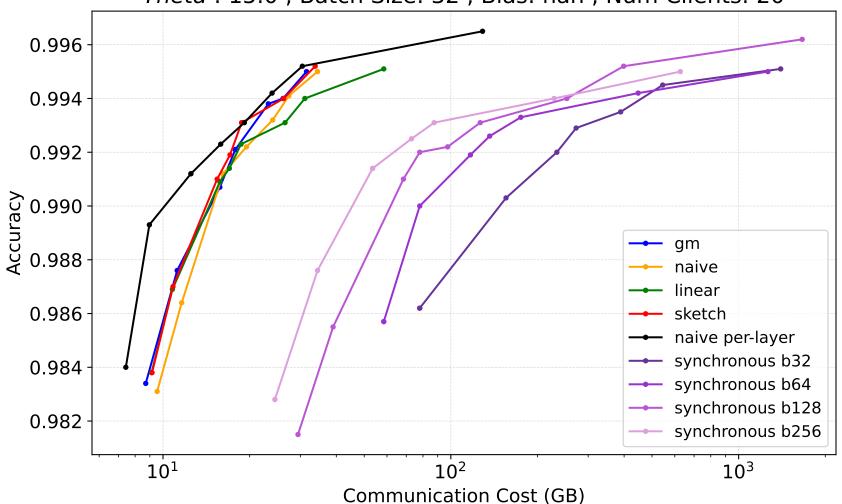
Theta: 15.0, Batch Size: 32, Bias: nan, Num Clients: 10



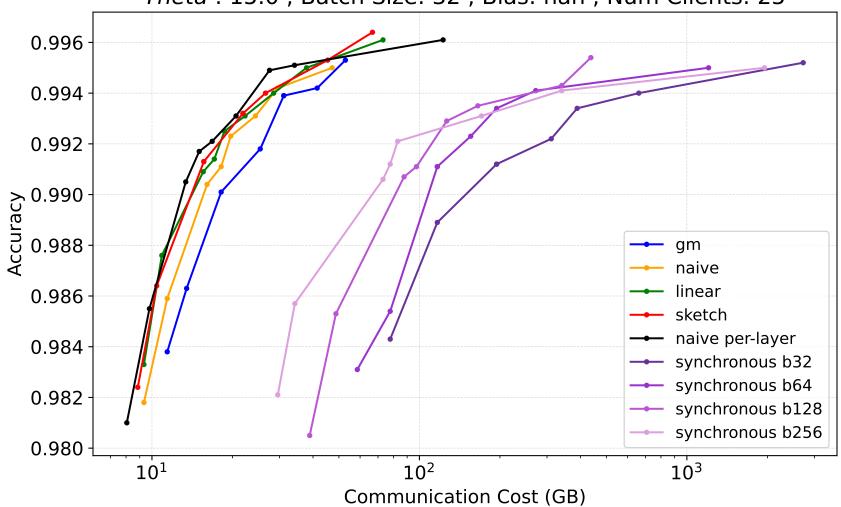
Theta: 15.0, Batch Size: 32, Bias: nan, Num Clients: 15



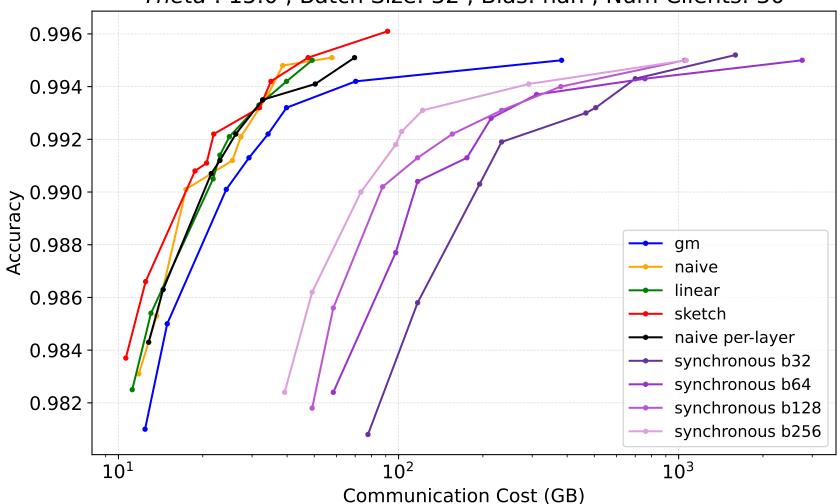
Theta: 15.0, Batch Size: 32, Bias: nan, Num Clients: 20



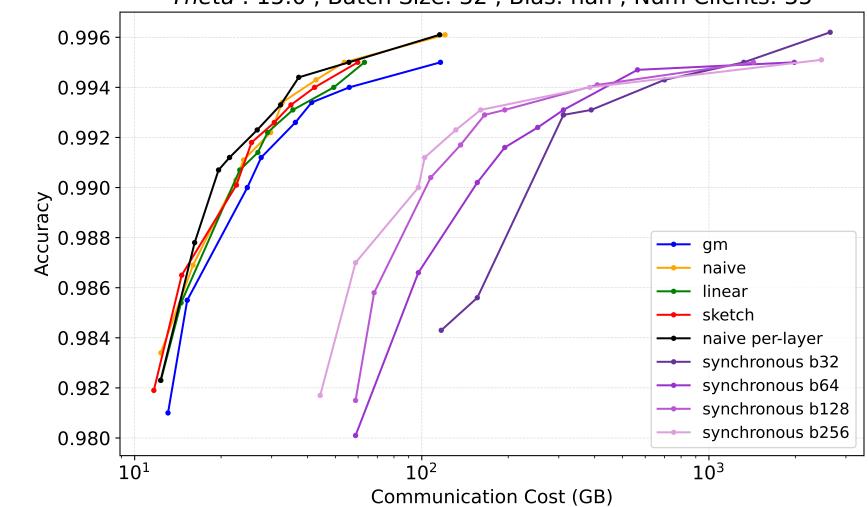
Theta: 15.0, Batch Size: 32, Bias: nan, Num Clients: 25



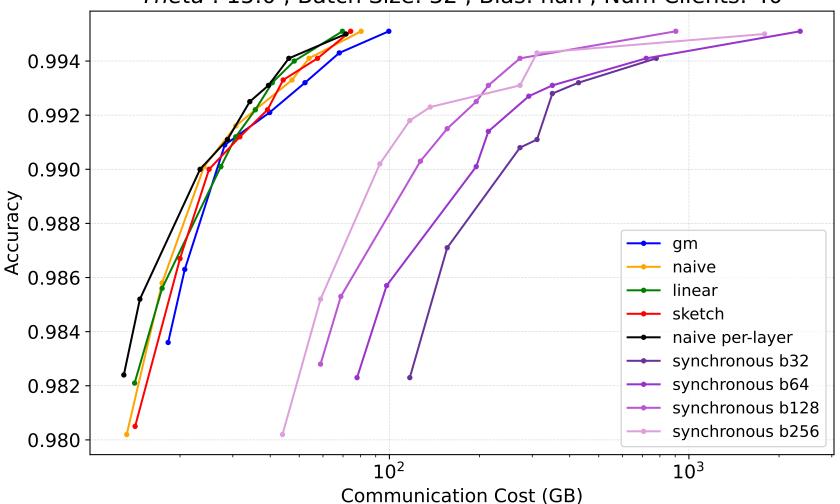
Theta: 15.0, Batch Size: 32, Bias: nan, Num Clients: 30



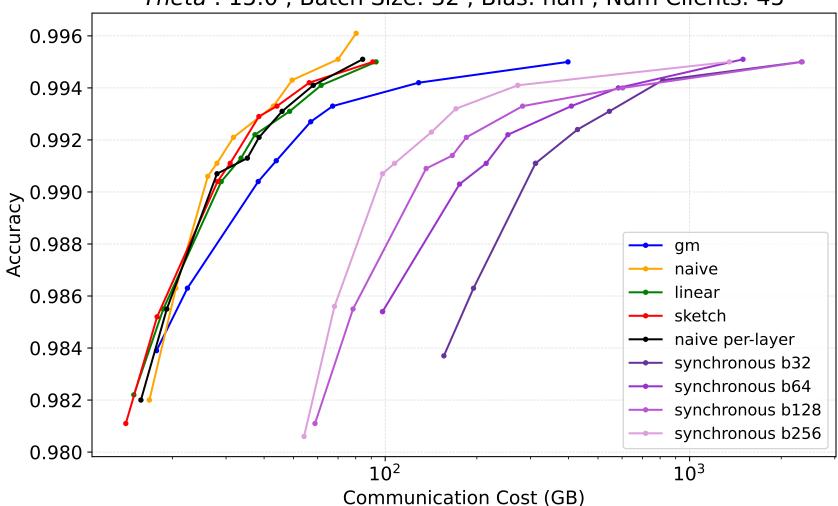
Theta: 15.0, Batch Size: 32, Bias: nan, Num Clients: 35



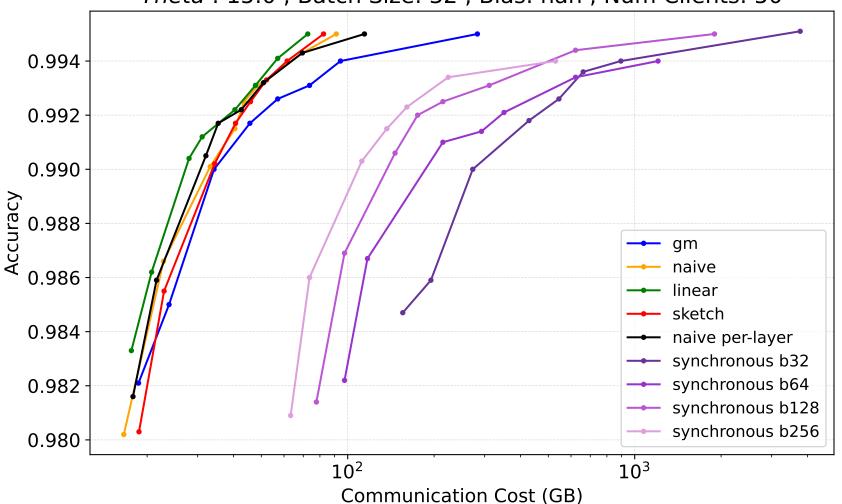
Theta: 15.0, Batch Size: 32, Bias: nan, Num Clients: 40



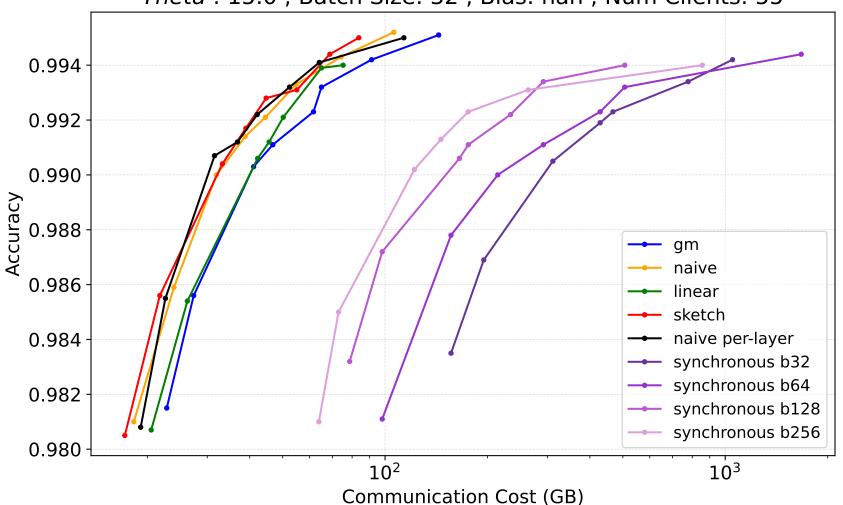
Theta: 15.0, Batch Size: 32, Bias: nan, Num Clients: 45



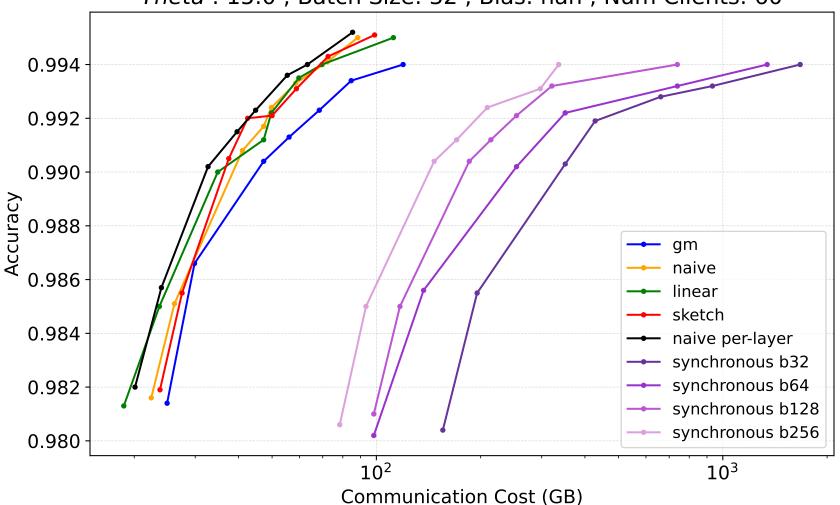
Theta: 15.0, Batch Size: 32, Bias: nan, Num Clients: 50



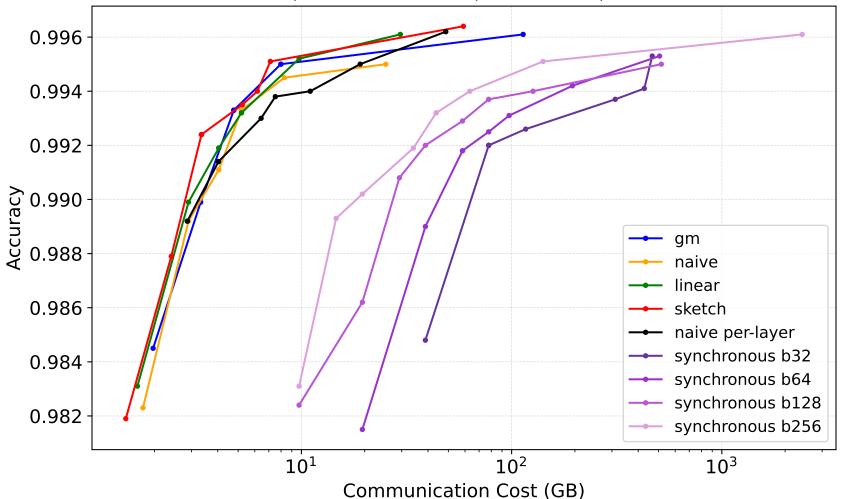
Theta: 15.0, Batch Size: 32, Bias: nan, Num Clients: 55

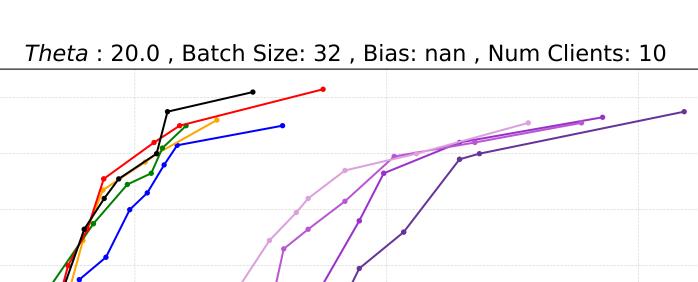


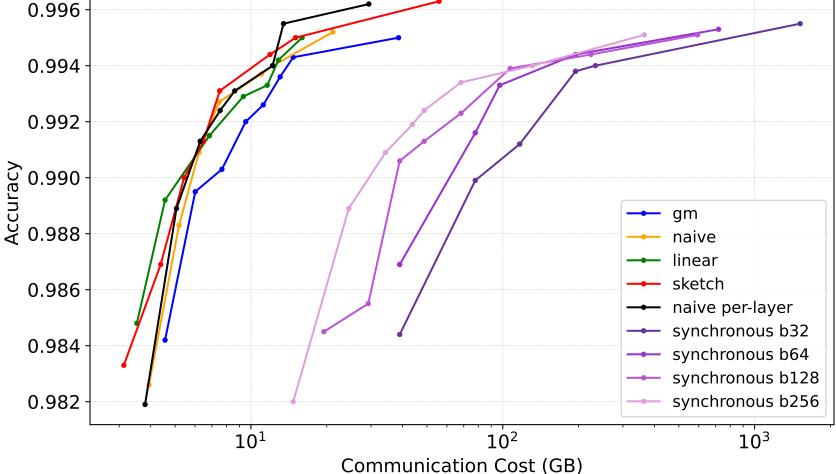
Theta: 15.0, Batch Size: 32, Bias: nan, Num Clients: 60



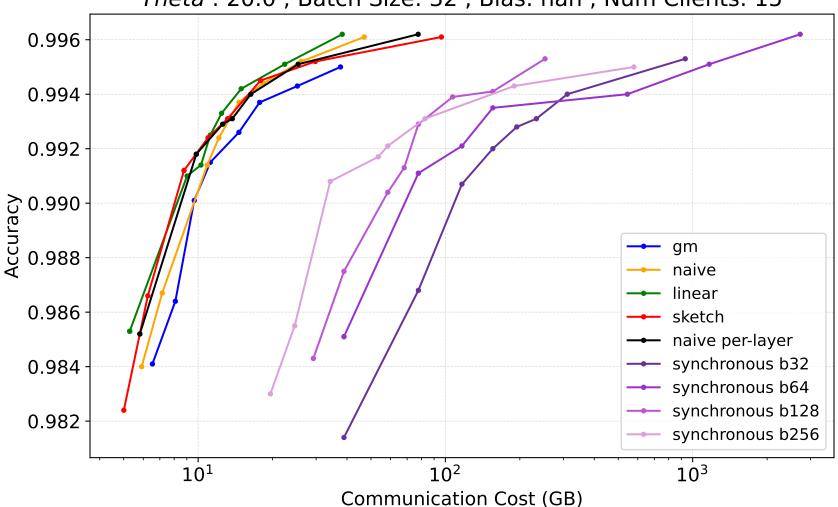
Theta: 20.0, Batch Size: 32, Bias: nan, Num Clients: 5



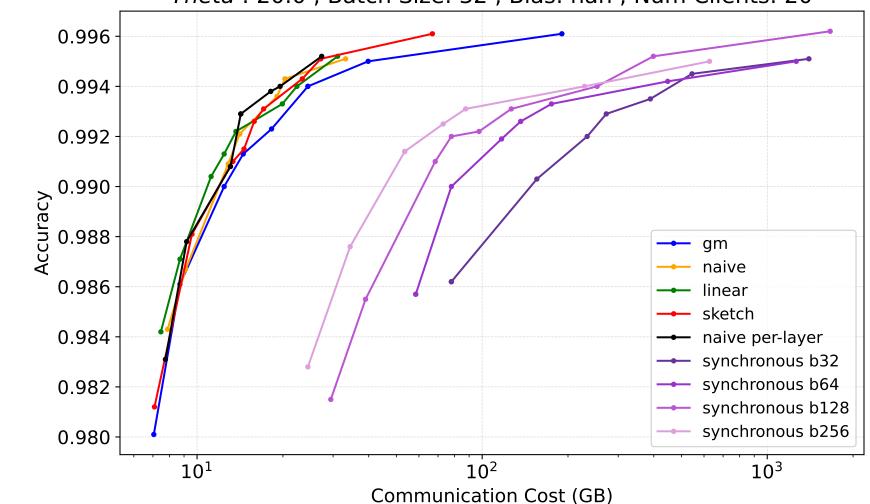


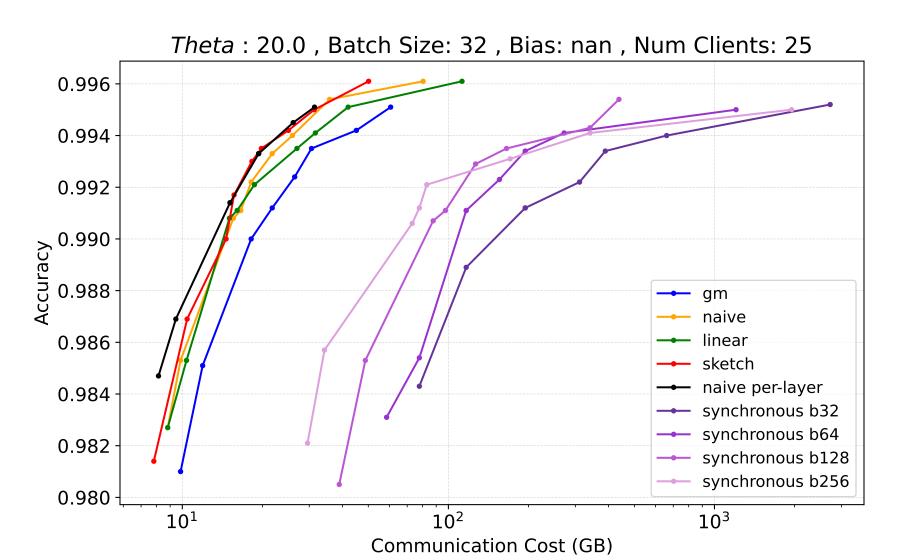


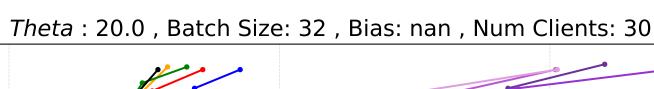
Theta: 20.0, Batch Size: 32, Bias: nan, Num Clients: 15

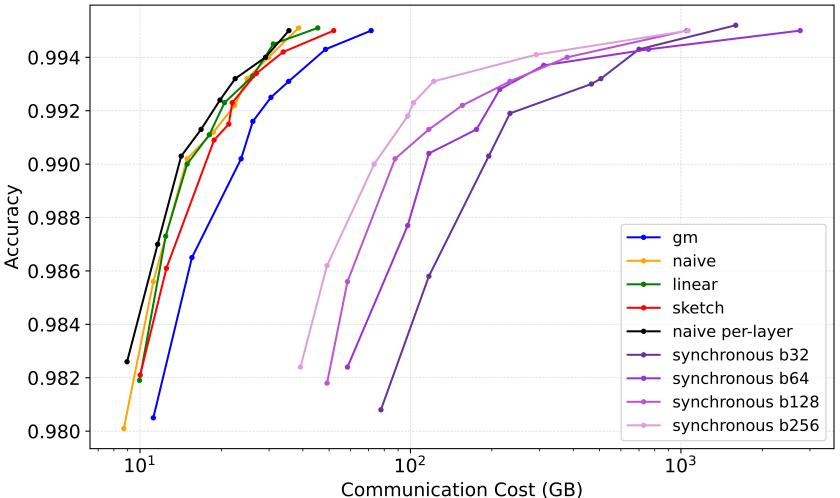


Theta: 20.0, Batch Size: 32, Bias: nan, Num Clients: 20

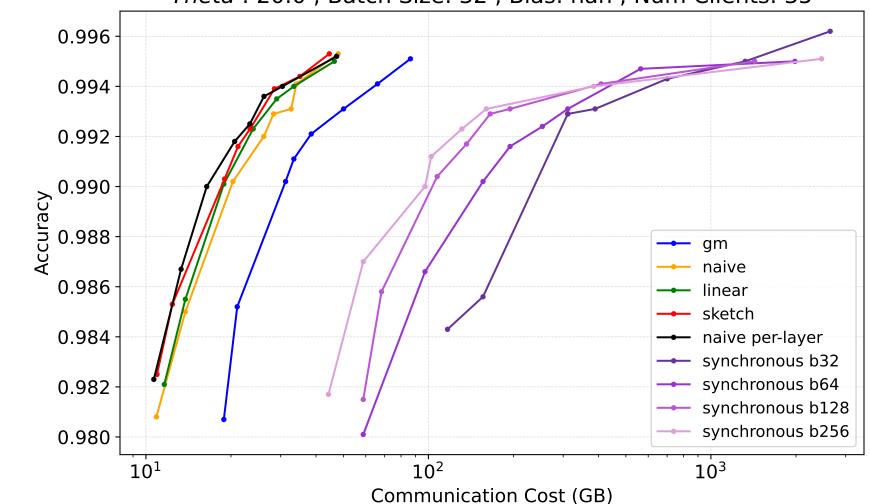




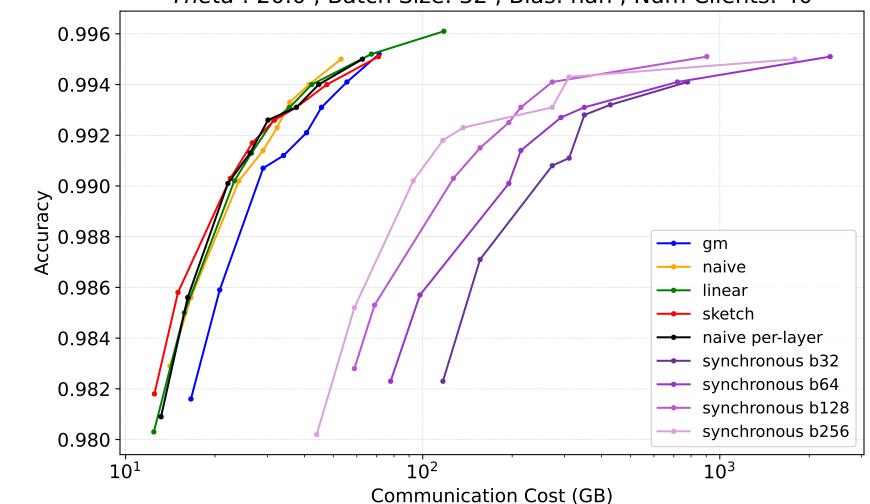




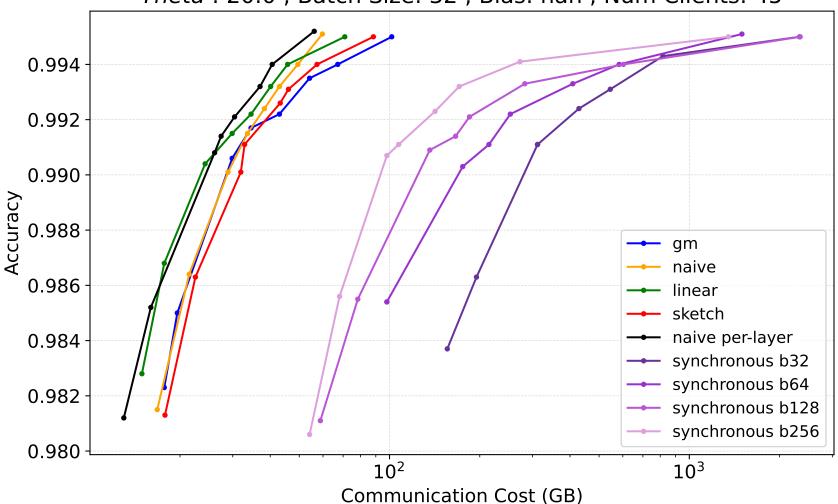
Theta: 20.0, Batch Size: 32, Bias: nan, Num Clients: 35



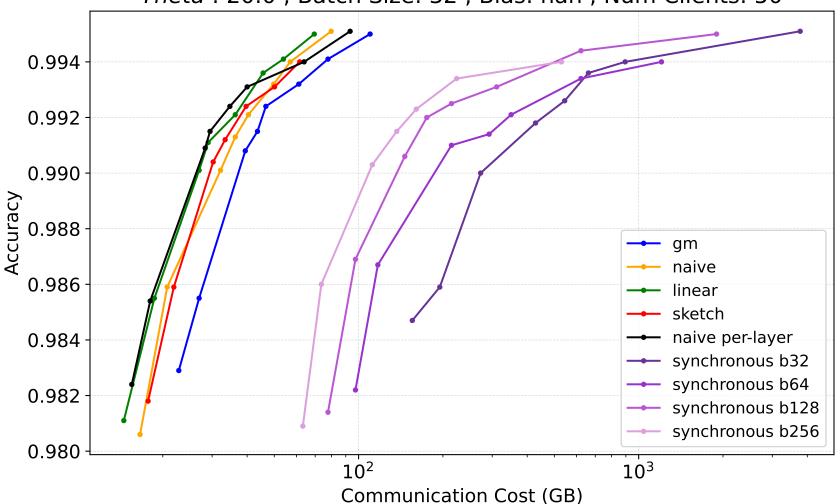
Theta: 20.0, Batch Size: 32, Bias: nan, Num Clients: 40



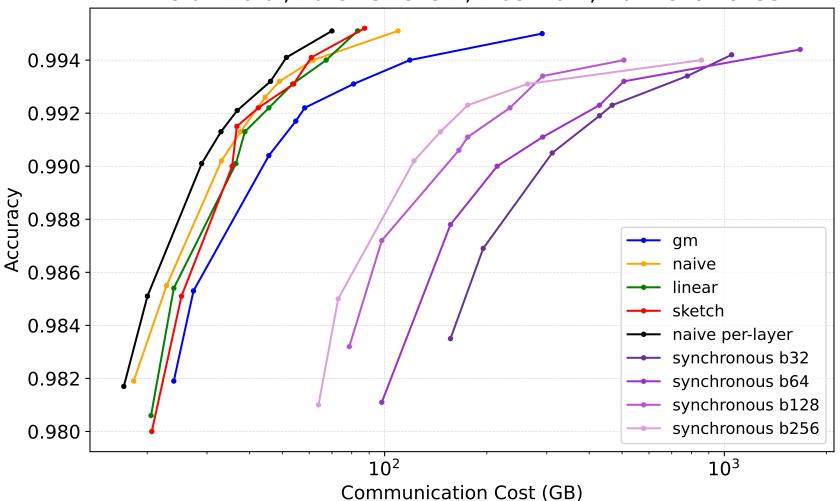
Theta: 20.0, Batch Size: 32, Bias: nan, Num Clients: 45



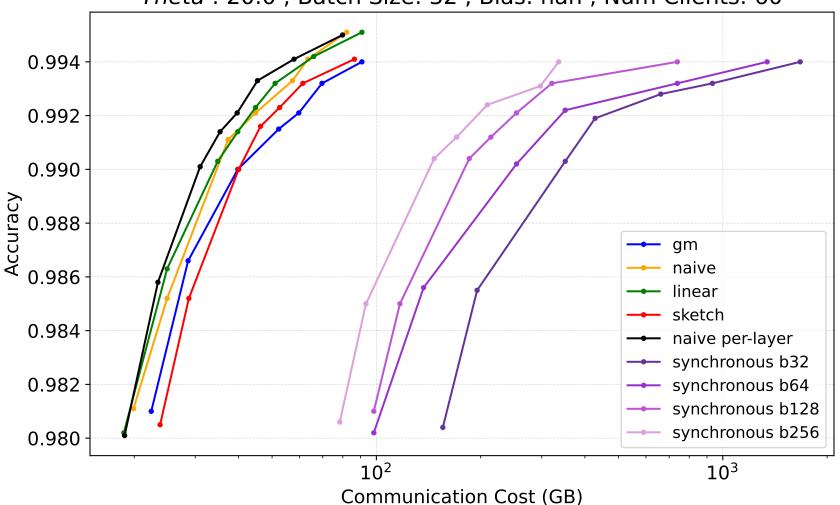
Theta: 20.0, Batch Size: 32, Bias: nan, Num Clients: 50

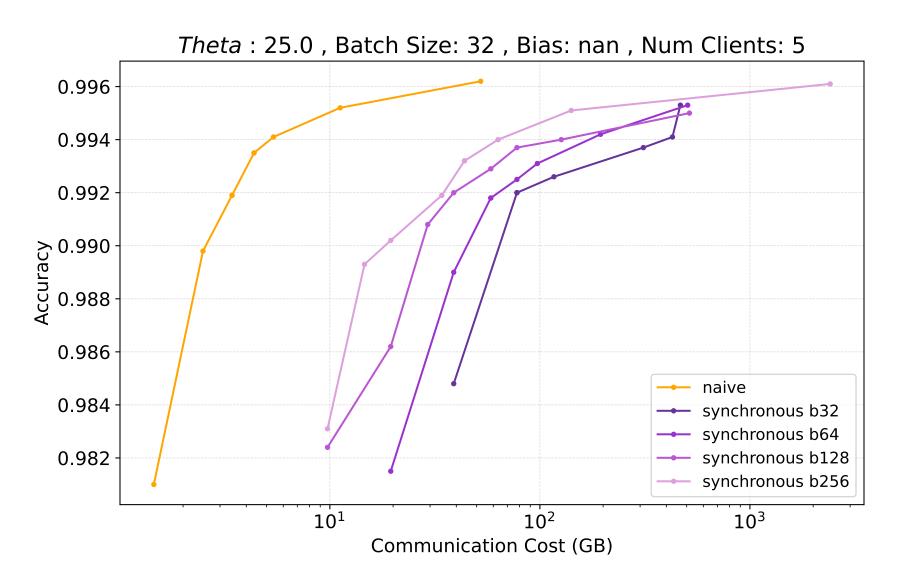


Theta: 20.0, Batch Size: 32, Bias: nan, Num Clients: 55

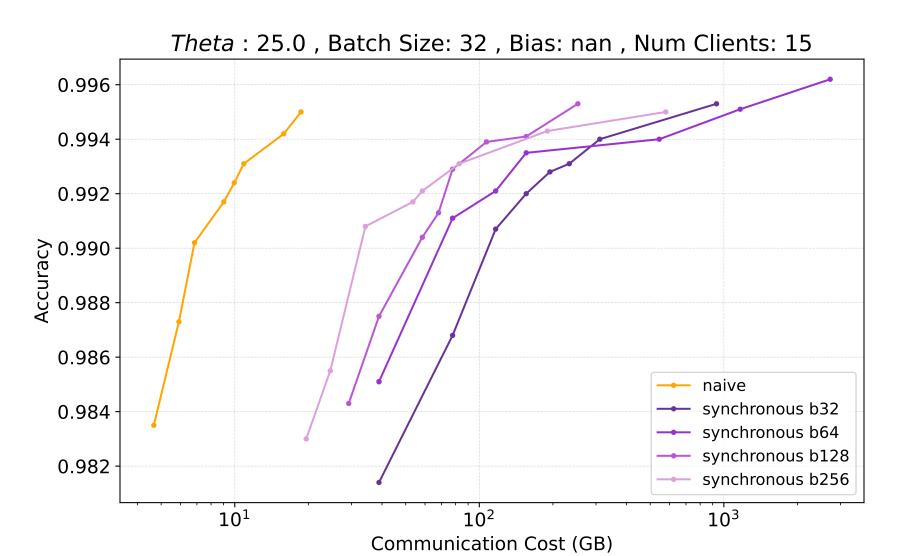


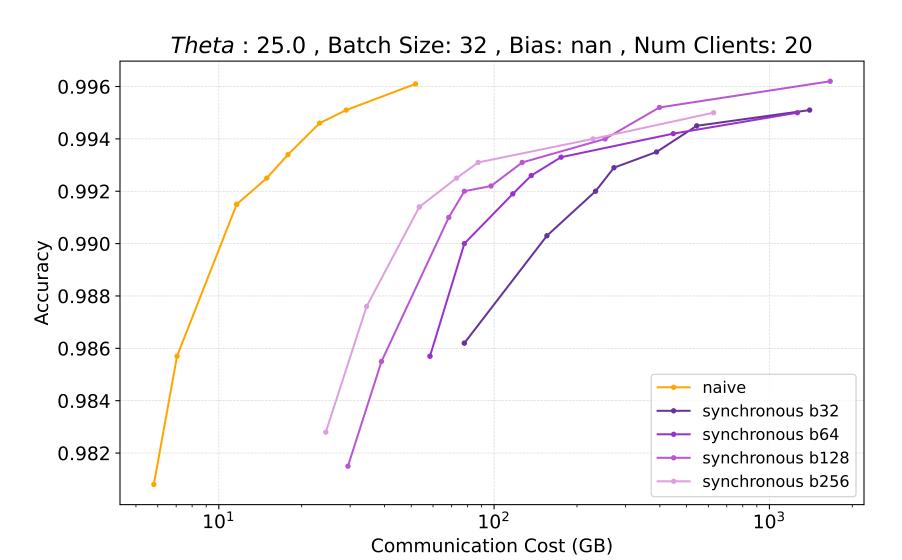
Theta: 20.0, Batch Size: 32, Bias: nan, Num Clients: 60

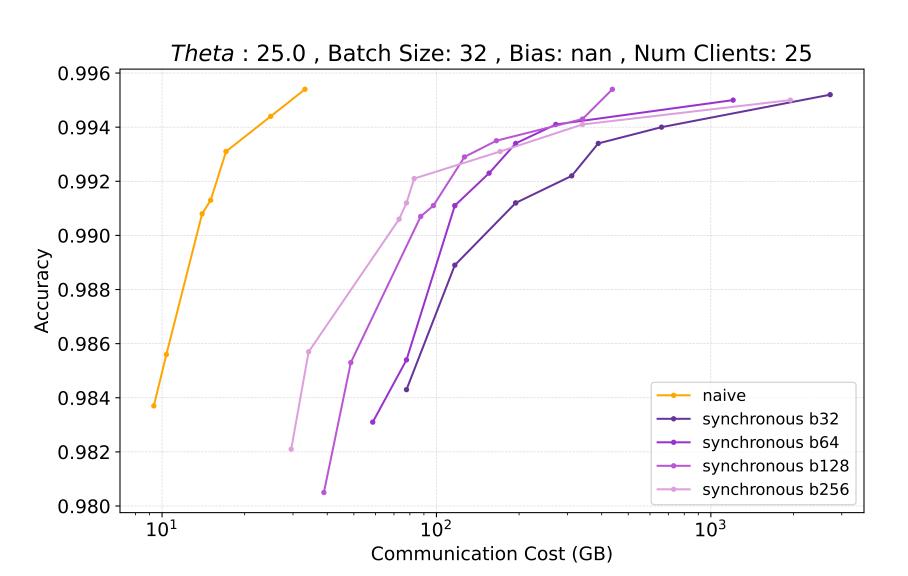


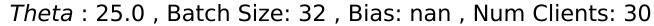


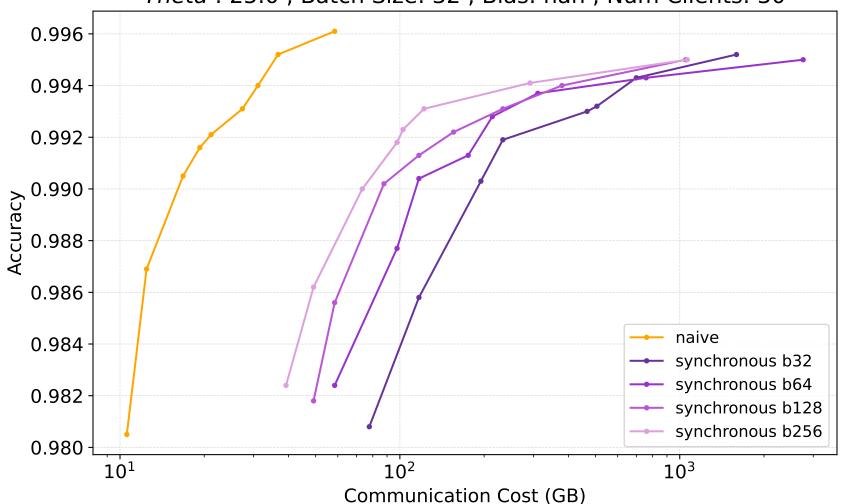




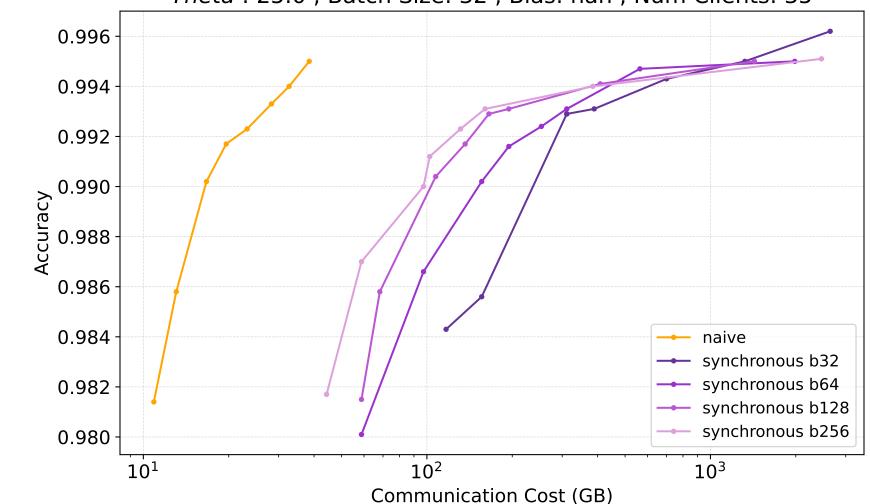






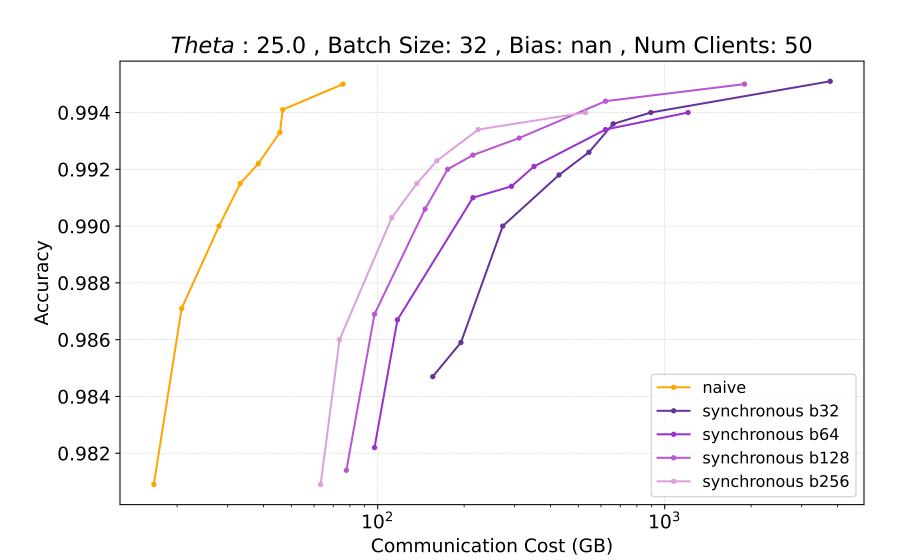


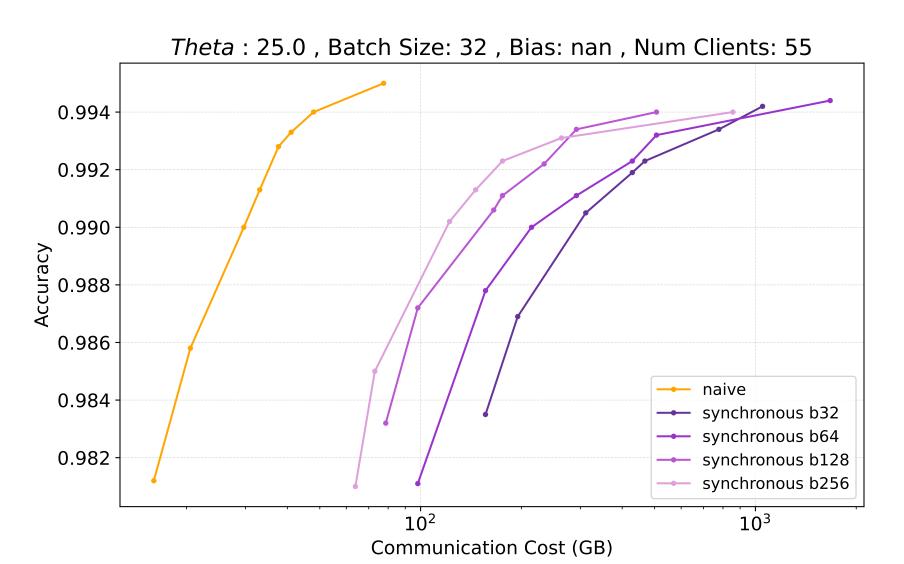
Theta: 25.0, Batch Size: 32, Bias: nan, Num Clients: 35

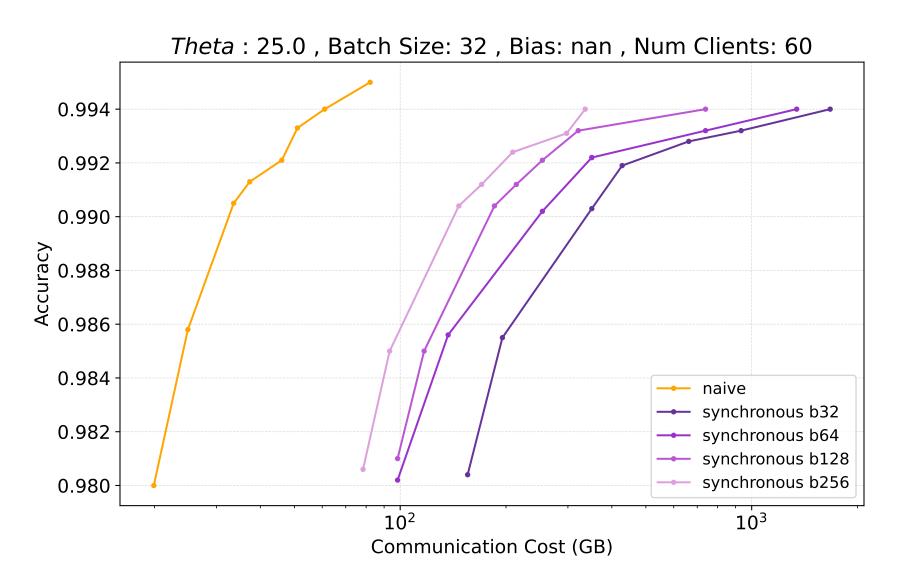




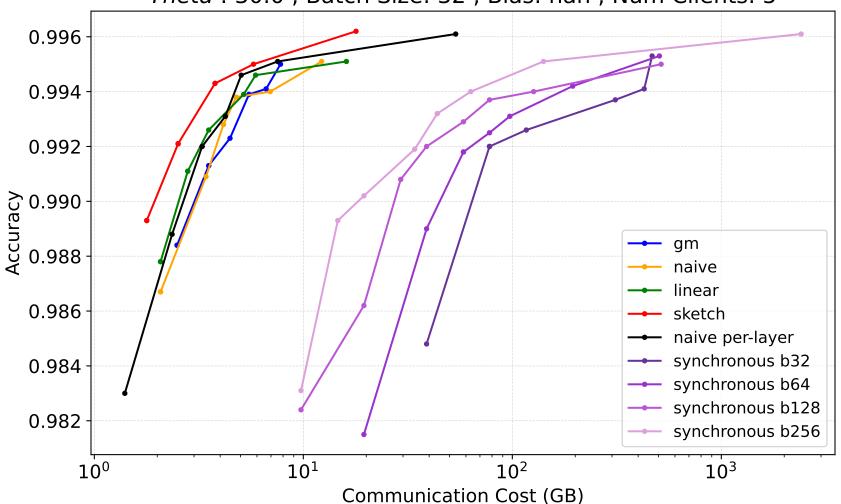


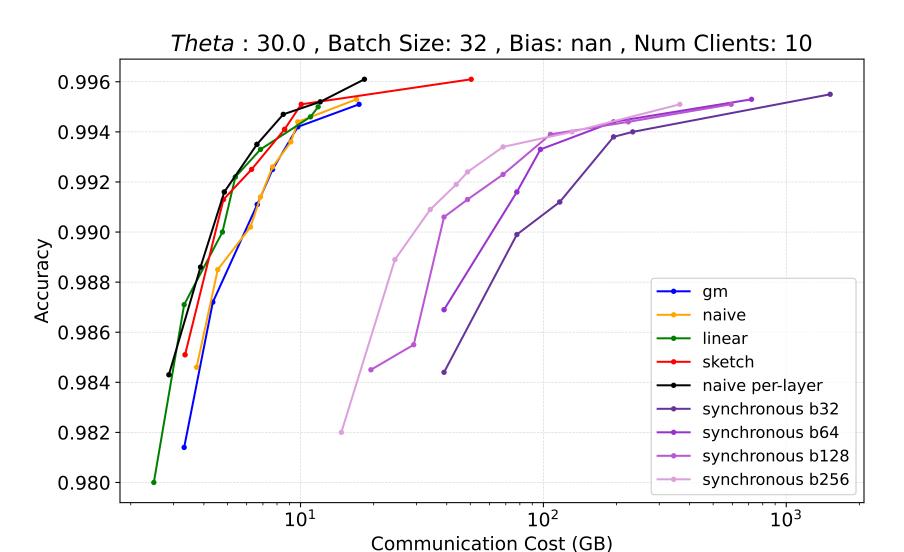




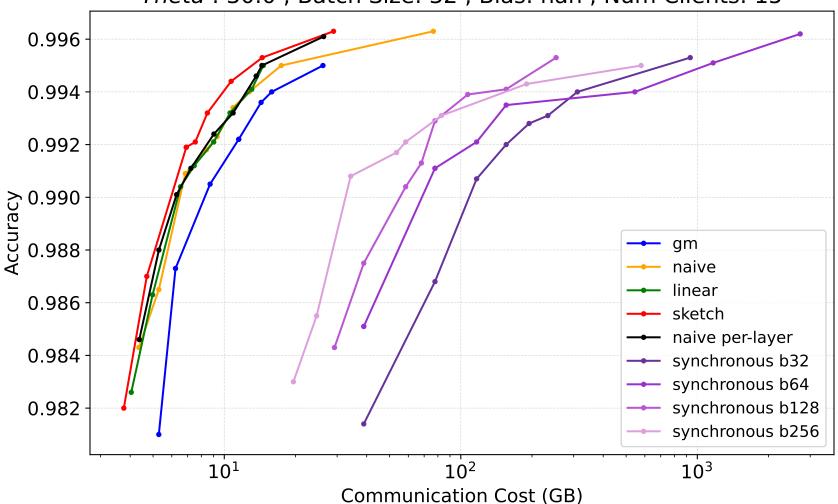


Theta: 30.0, Batch Size: 32, Bias: nan, Num Clients: 5

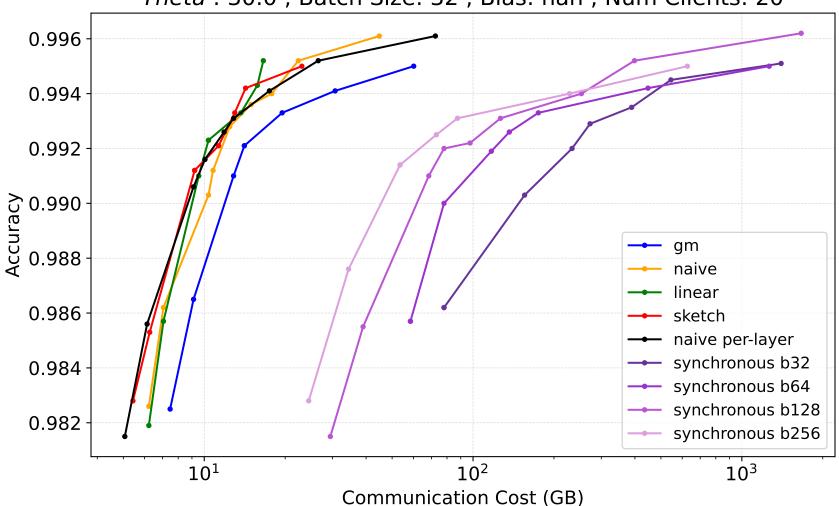


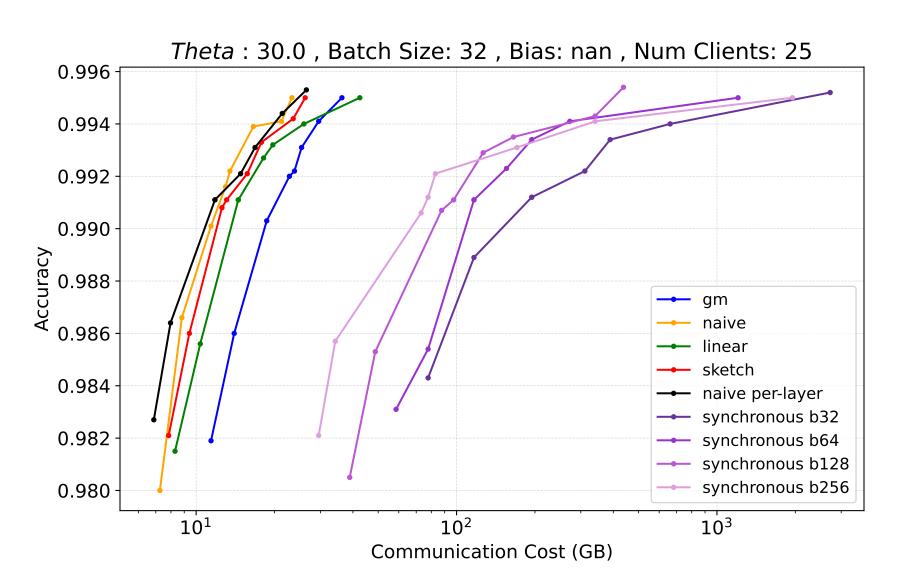


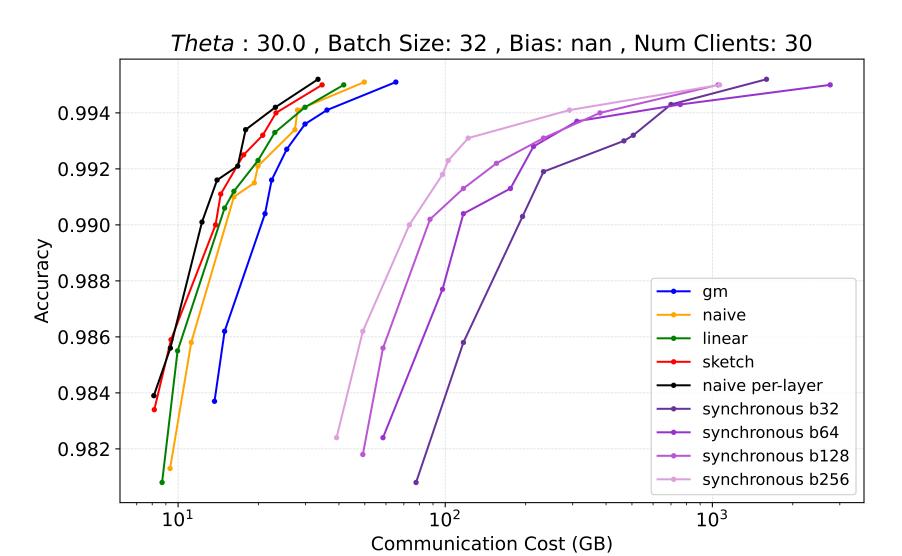
Theta: 30.0, Batch Size: 32, Bias: nan, Num Clients: 15



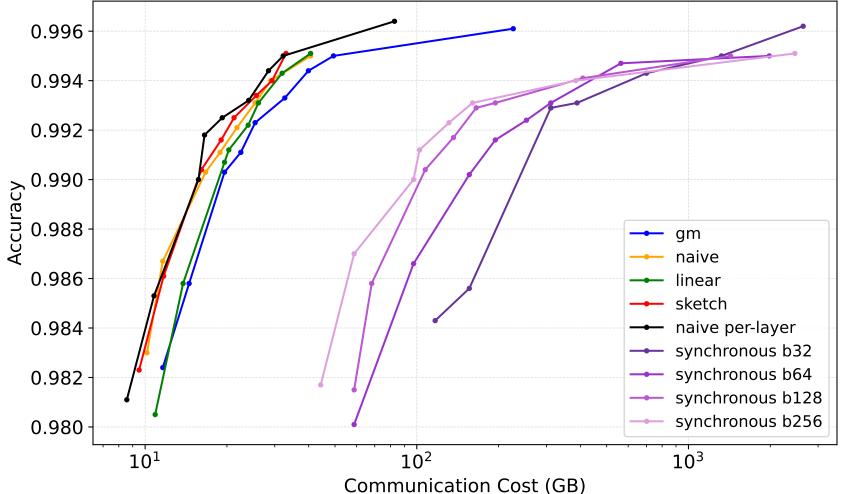
Theta: 30.0, Batch Size: 32, Bias: nan, Num Clients: 20



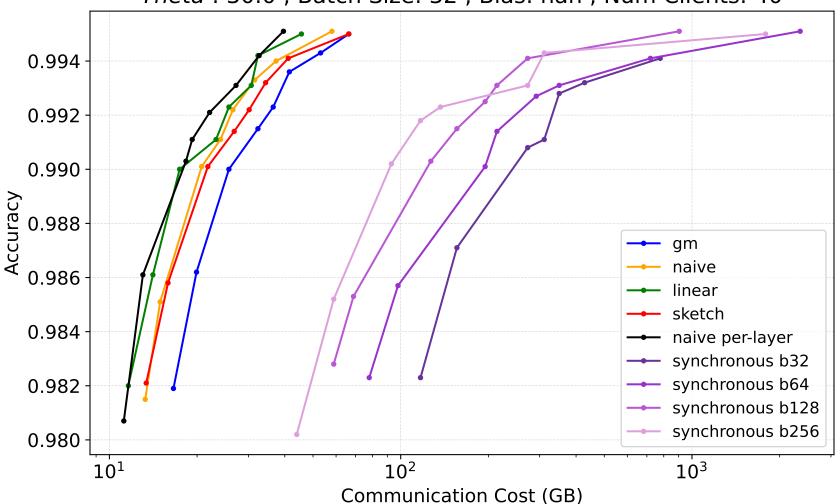


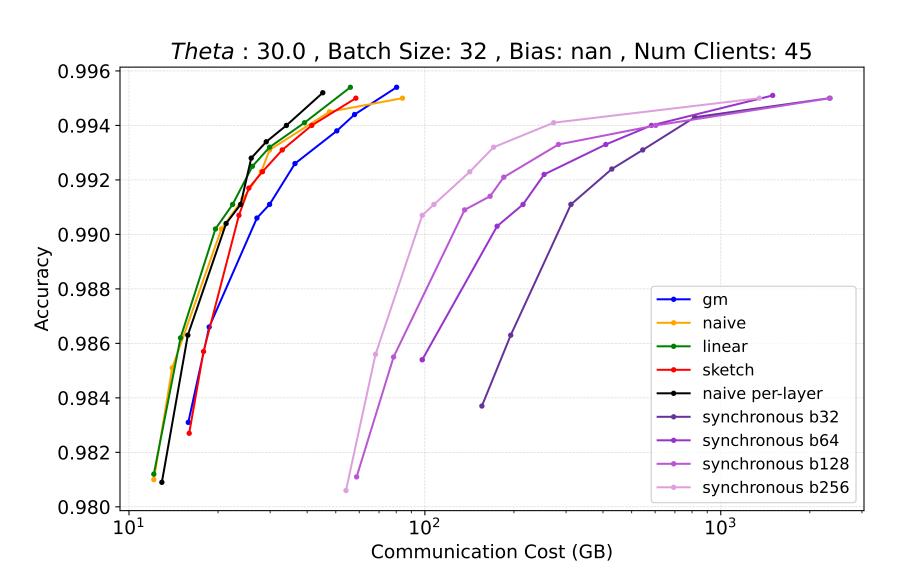


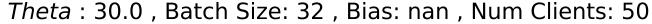


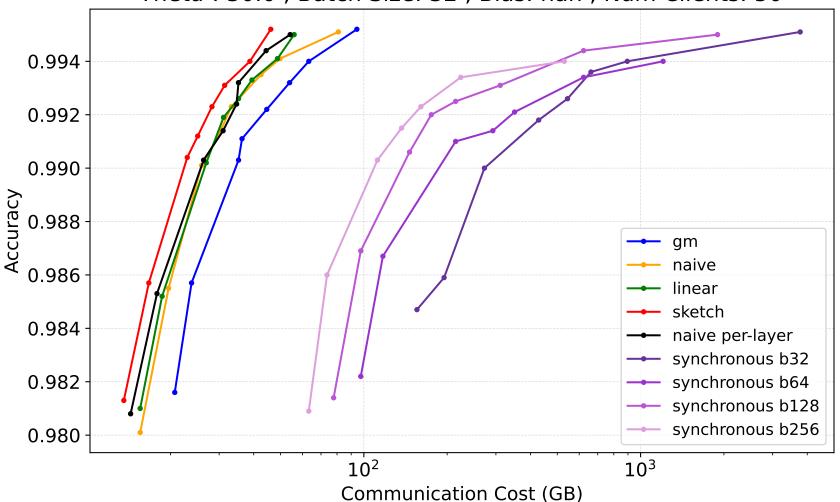


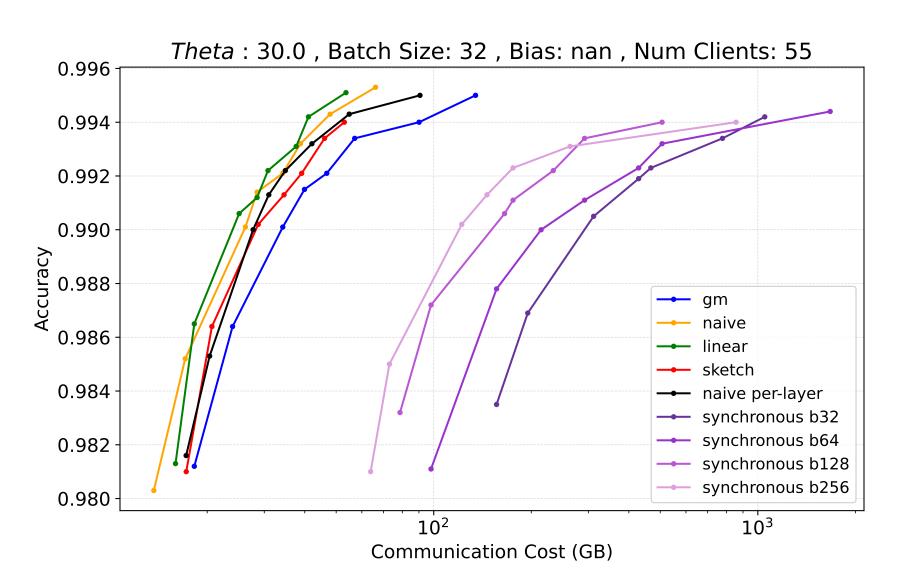
Theta: 30.0, Batch Size: 32, Bias: nan, Num Clients: 40

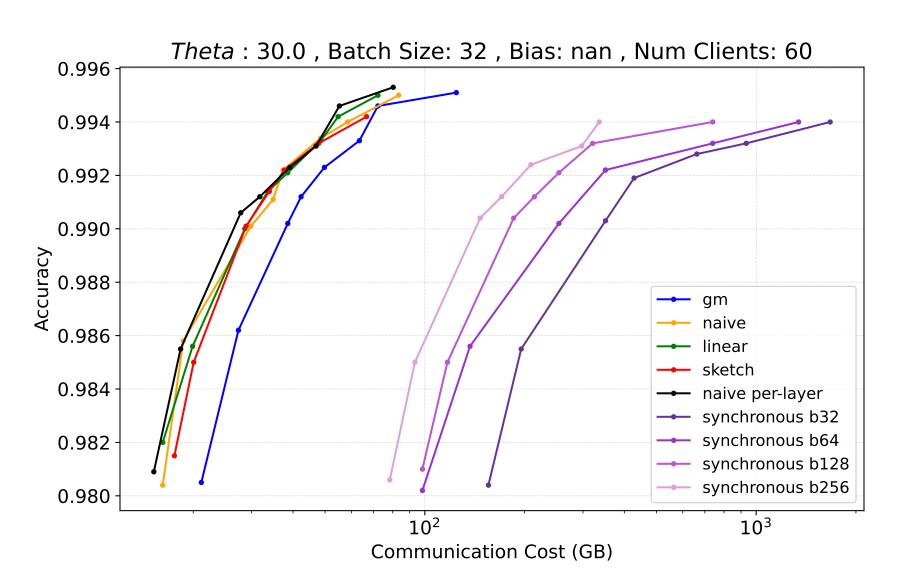




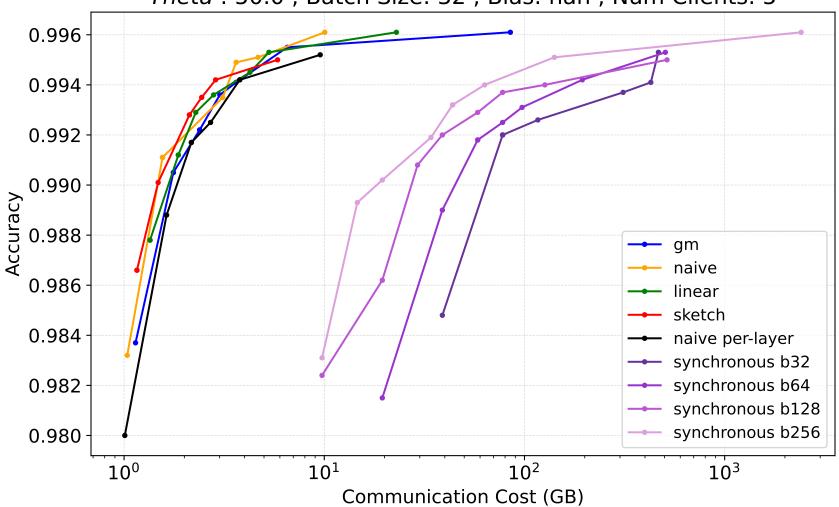


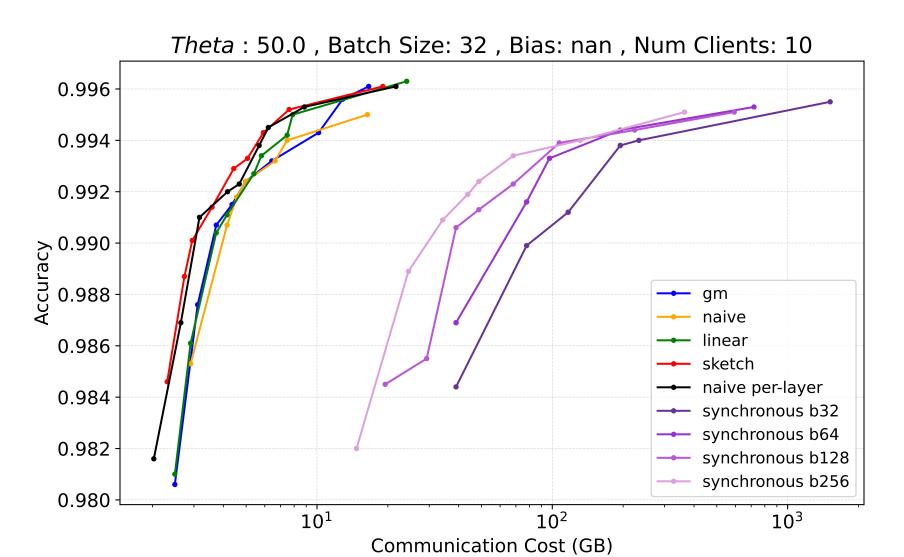




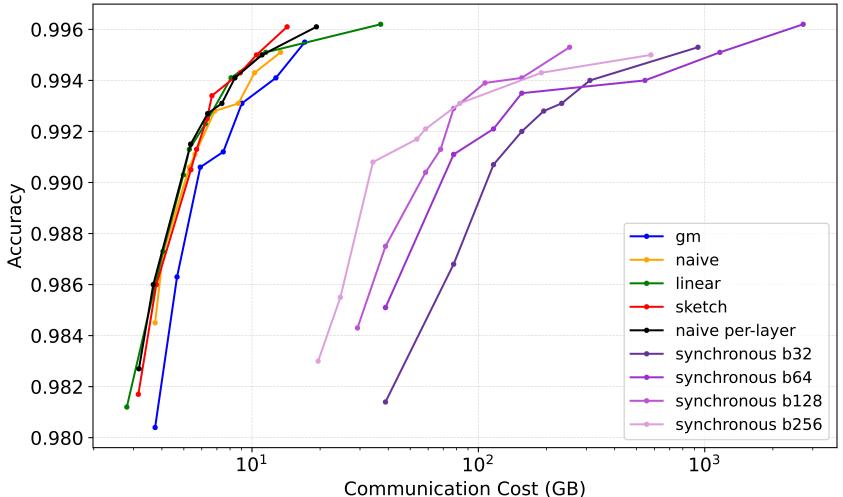


Theta: 50.0, Batch Size: 32, Bias: nan, Num Clients: 5

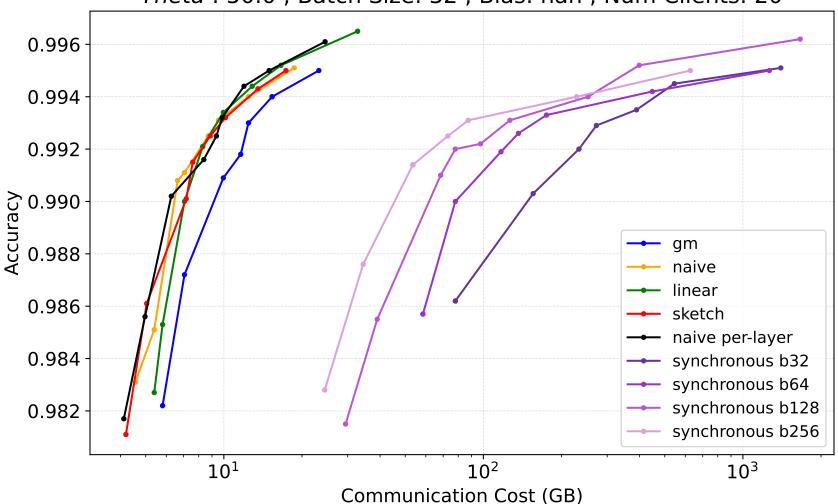


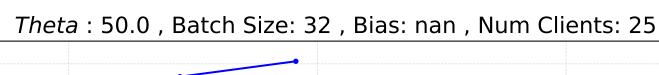


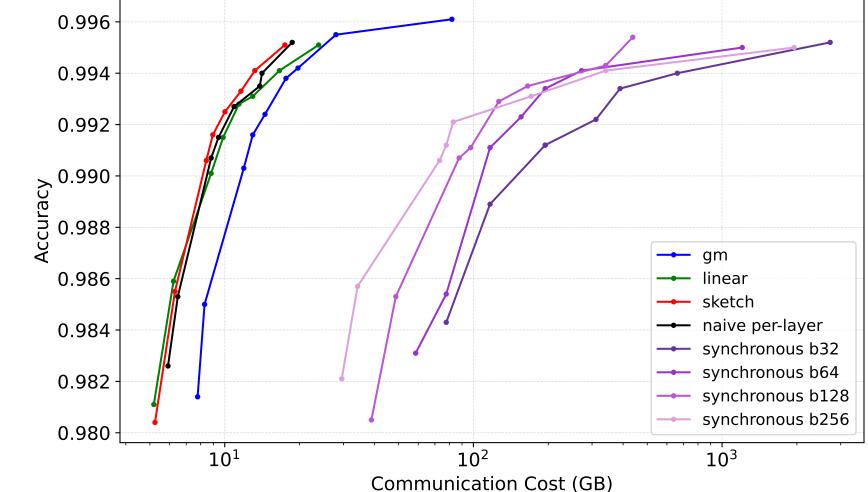
Theta: 50.0, Batch Size: 32, Bias: nan, Num Clients: 15

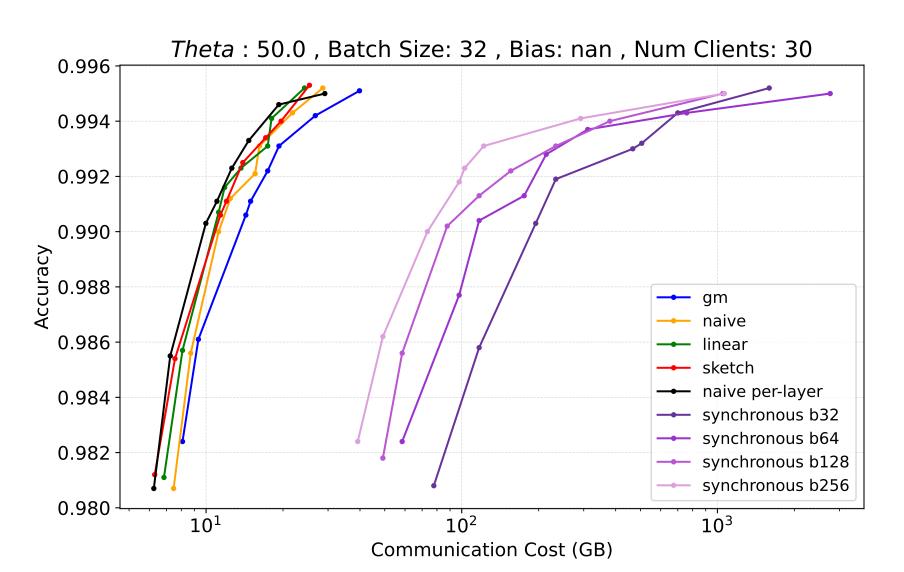


Theta: 50.0, Batch Size: 32, Bias: nan, Num Clients: 20

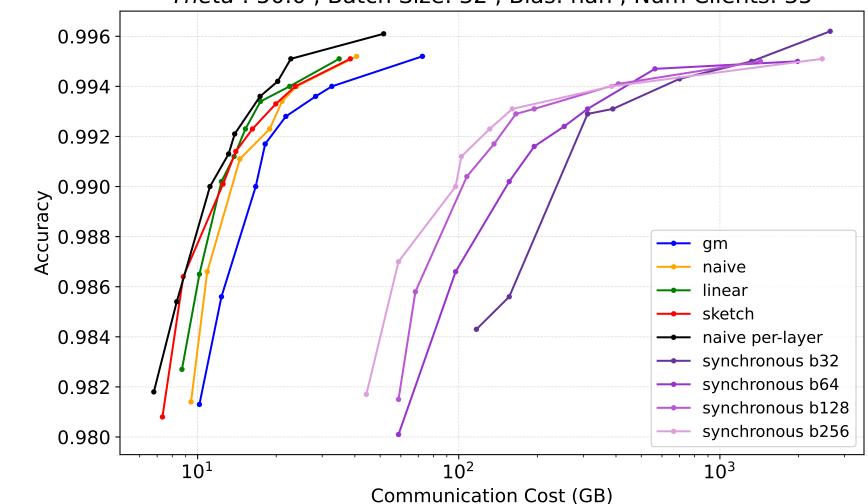




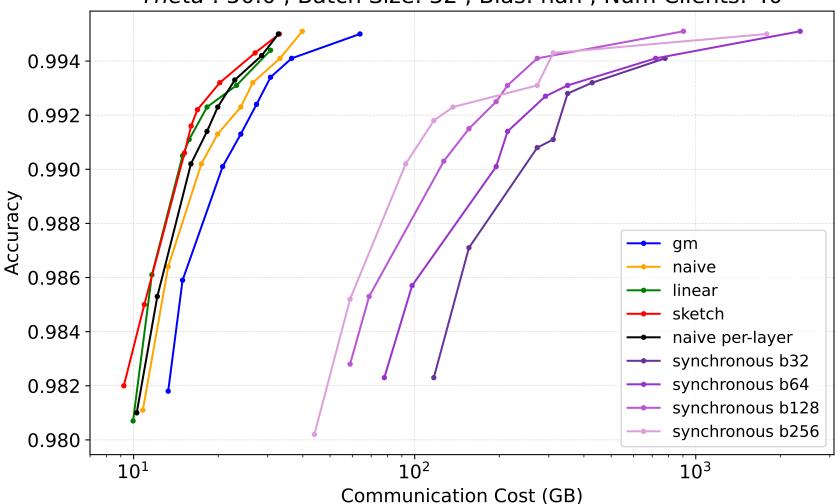


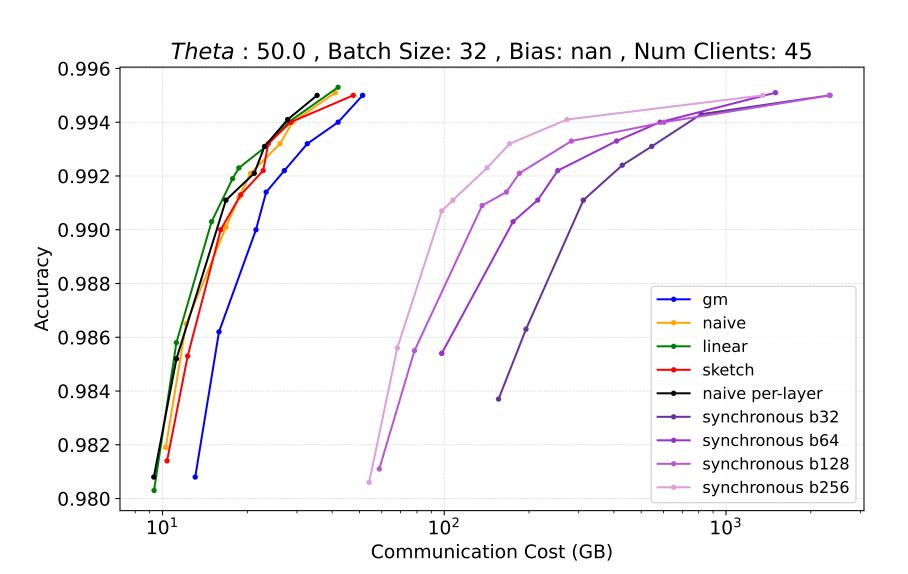


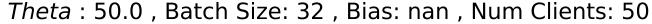
Theta: 50.0, Batch Size: 32, Bias: nan, Num Clients: 35

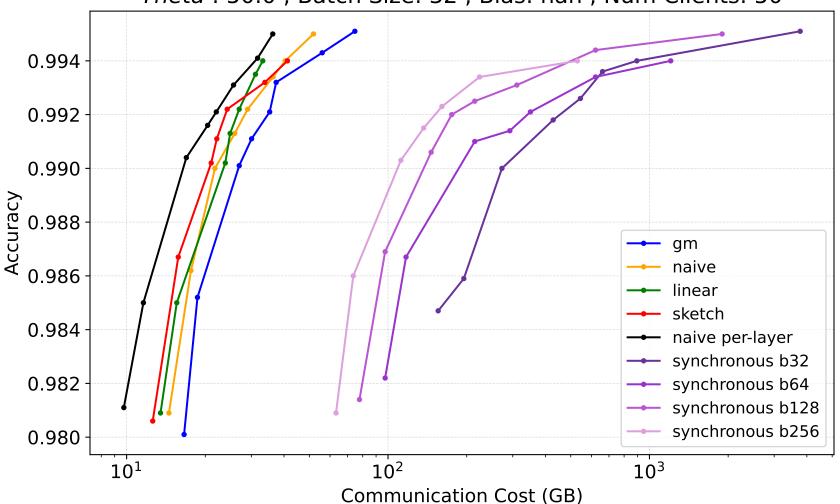


Theta: 50.0, Batch Size: 32, Bias: nan, Num Clients: 40

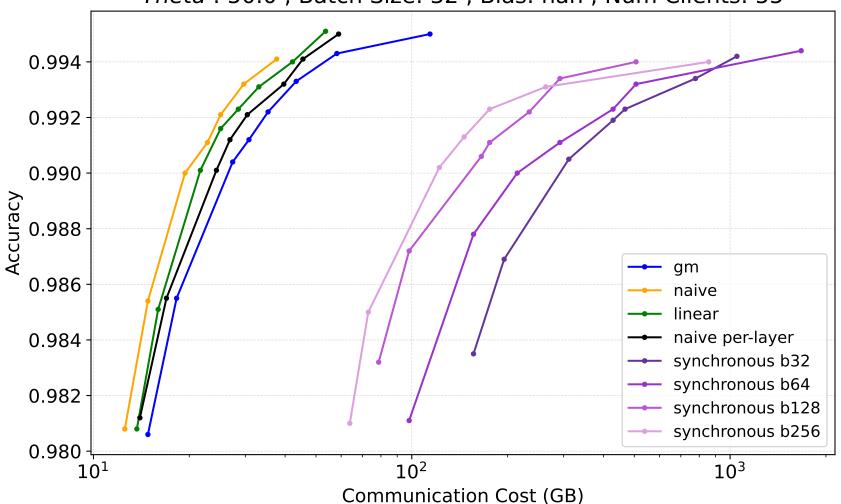




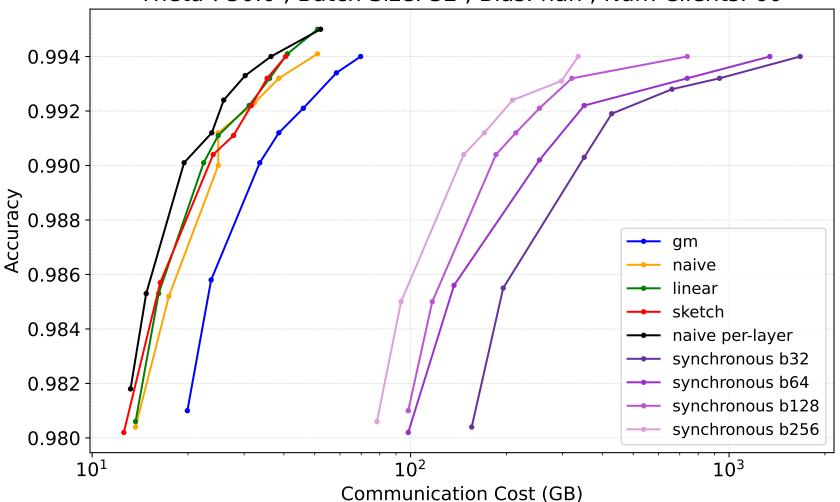


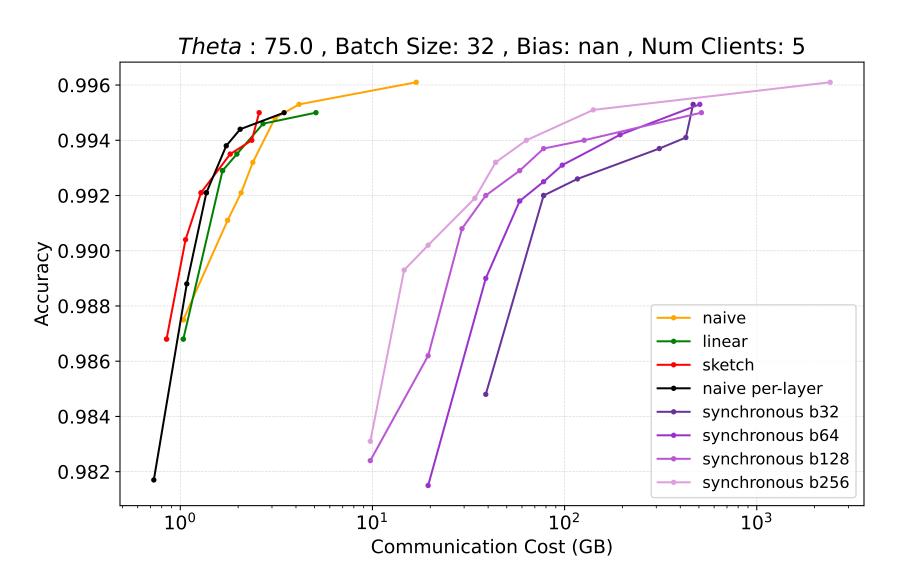


Theta: 50.0, Batch Size: 32, Bias: nan, Num Clients: 55



Theta: 50.0, Batch Size: 32, Bias: nan, Num Clients: 60

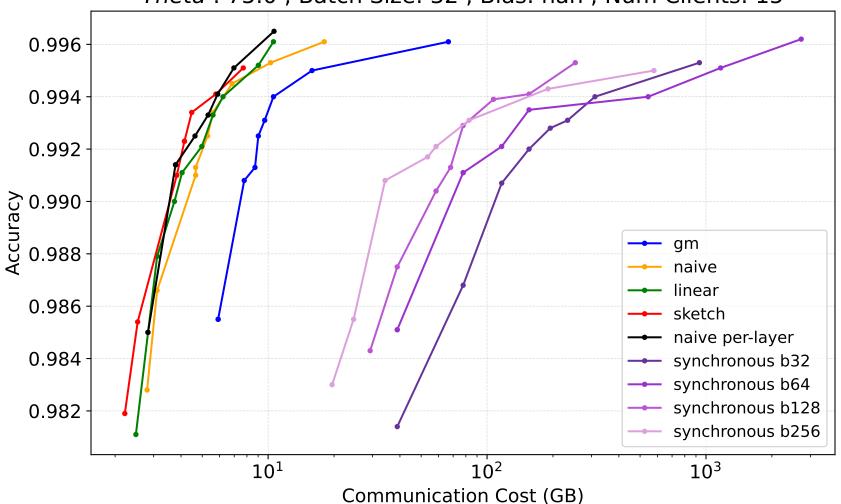


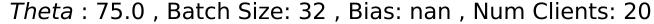


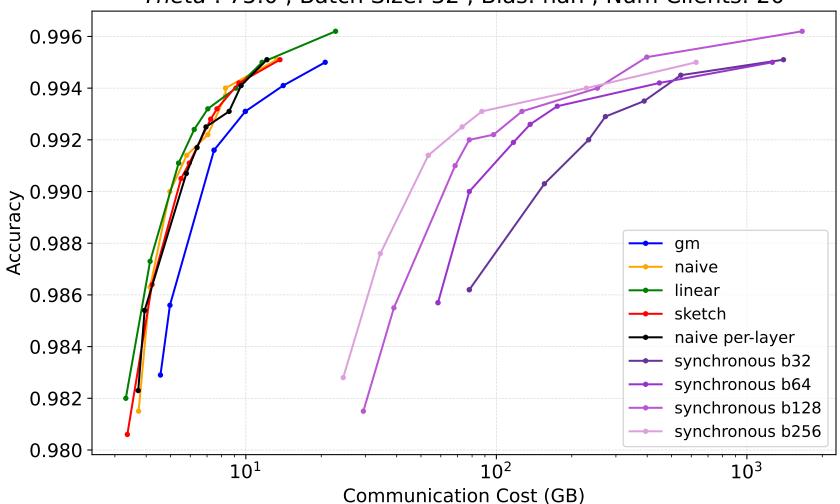
Theta: 75.0, Batch Size: 32, Bias: nan, Num Clients: 10 0.996 0.9940.992 Accuracy .0 °.0 naive 0.986 linear sketch naive per-layer 0.984 → synchronous b32 → synchronous b64 0.982 synchronous b128 synchronous b256 0.980 10^2 10^{1} 10^{3}

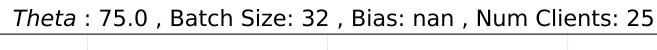
Communication Cost (GB)

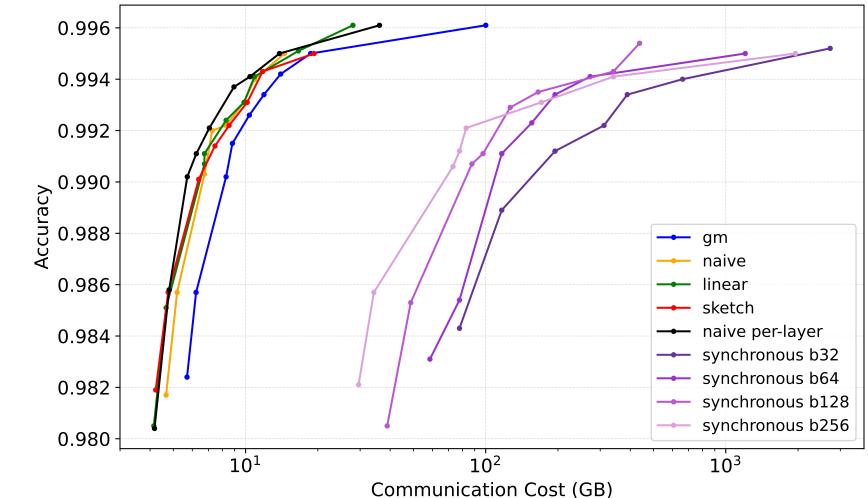
Theta: 75.0, Batch Size: 32, Bias: nan, Num Clients: 15

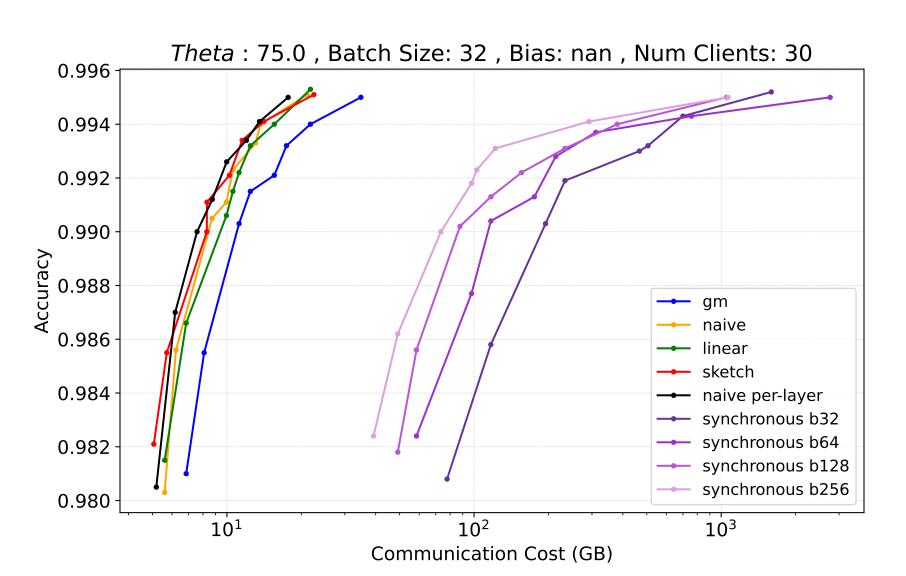




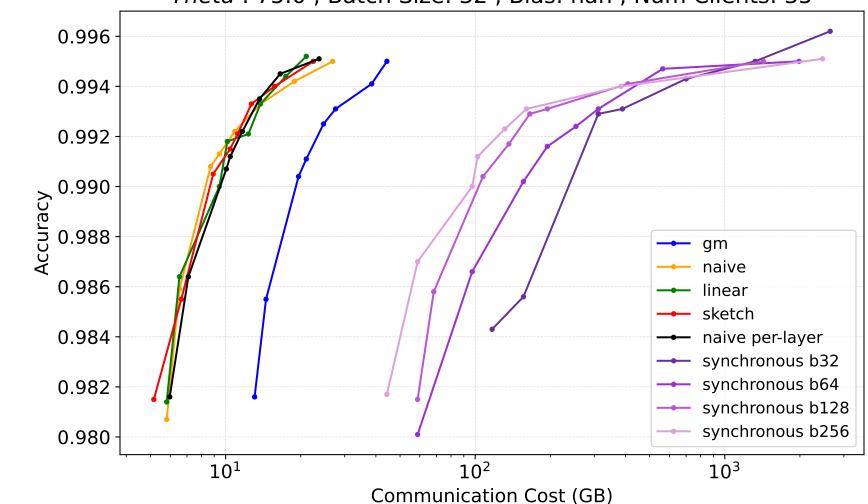




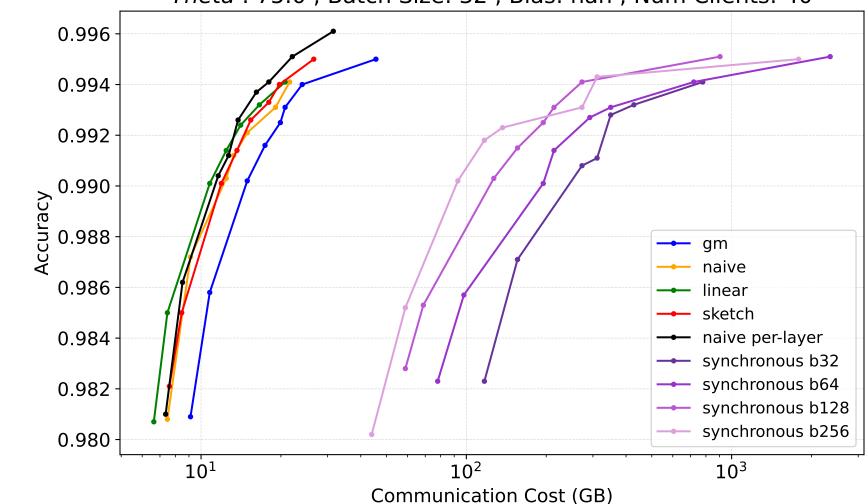


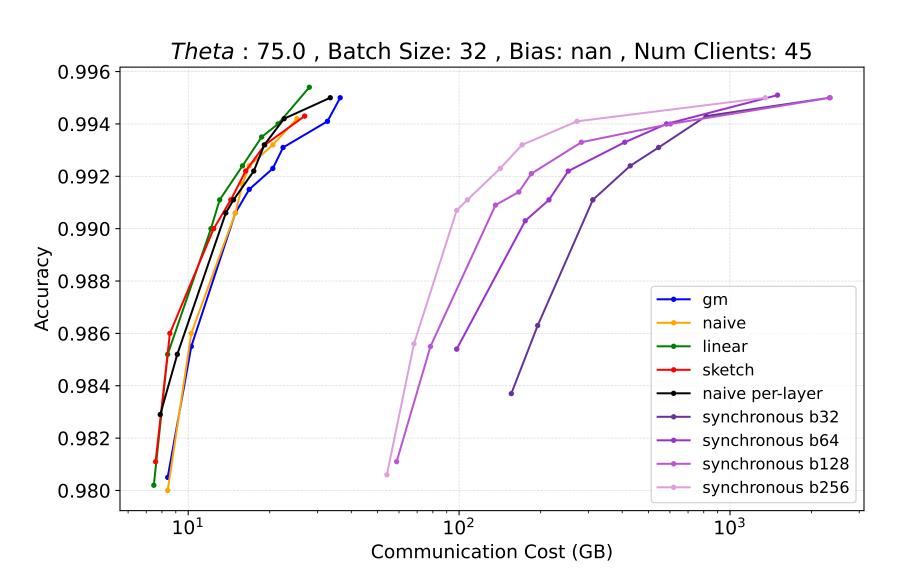


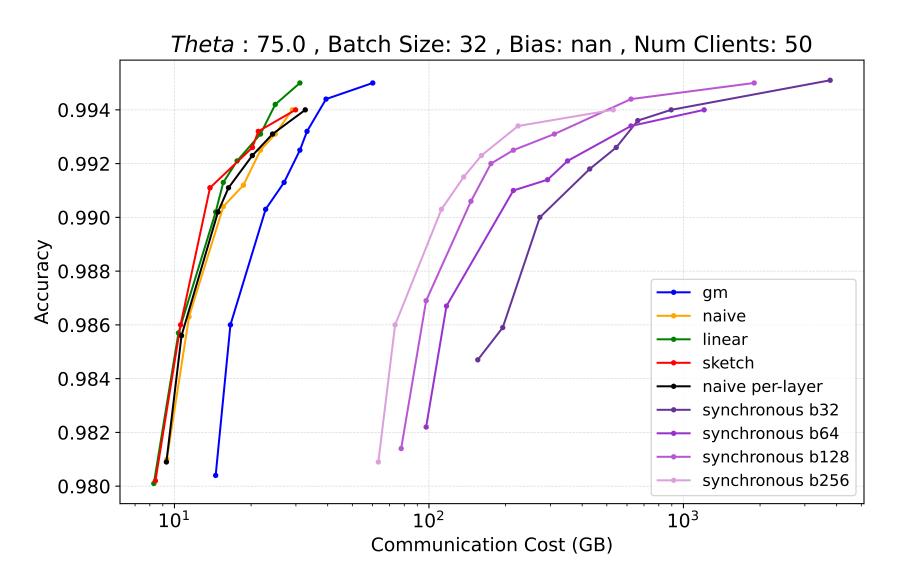
Theta: 75.0, Batch Size: 32, Bias: nan, Num Clients: 35

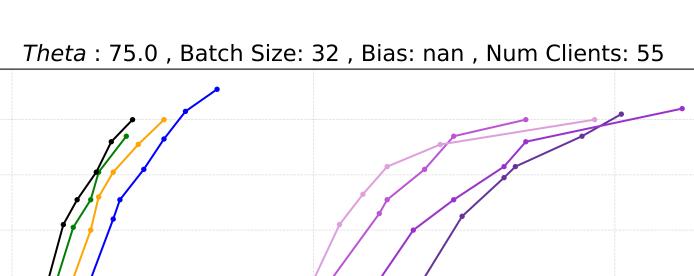


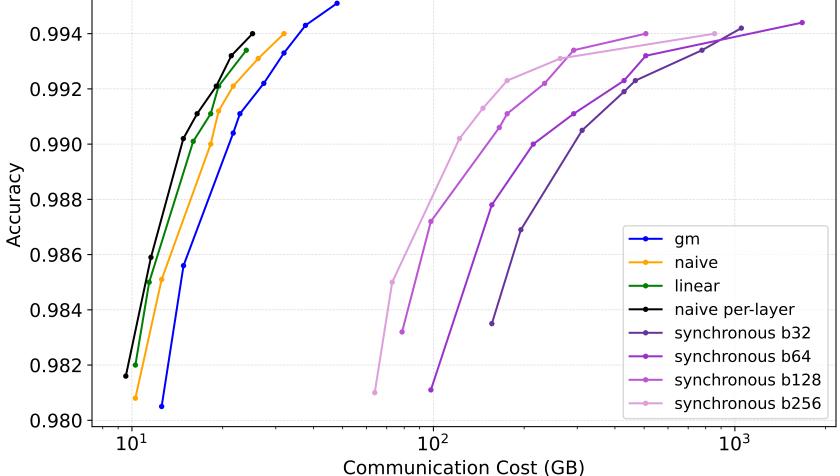
Theta: 75.0, Batch Size: 32, Bias: nan, Num Clients: 40













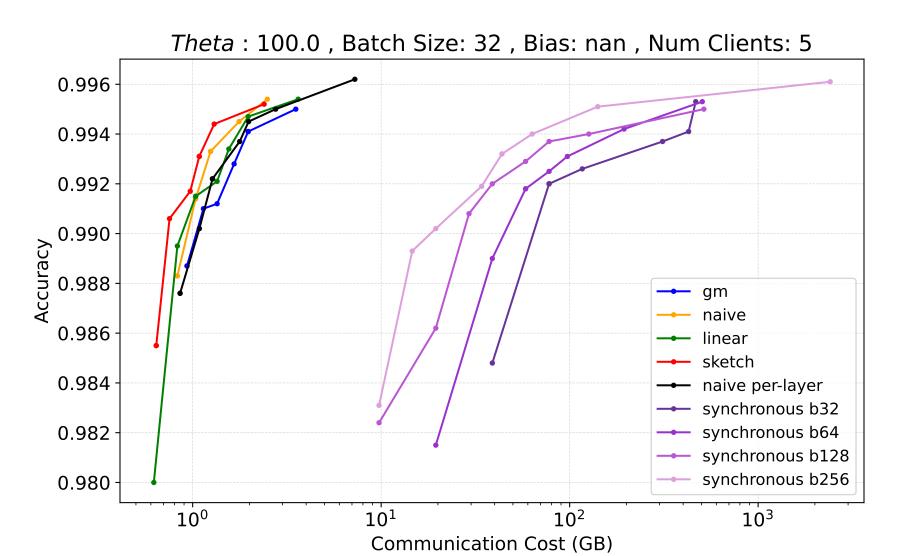
10²

Communication Cost (GB)

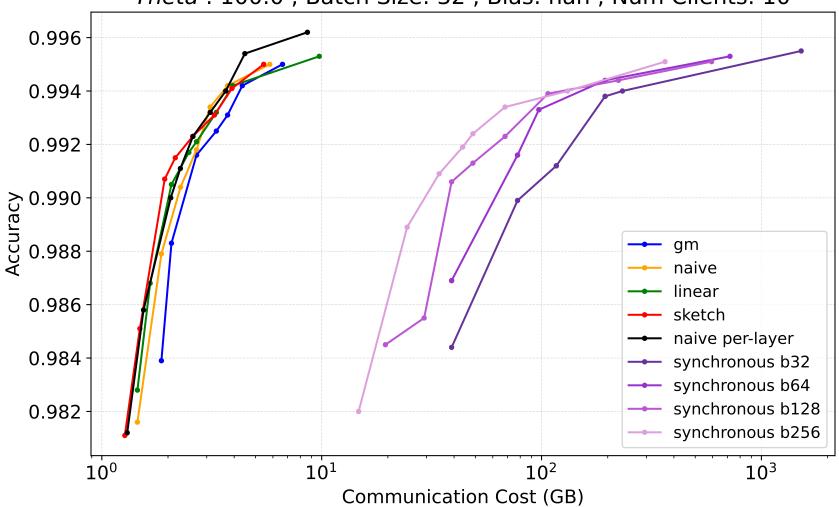
10³

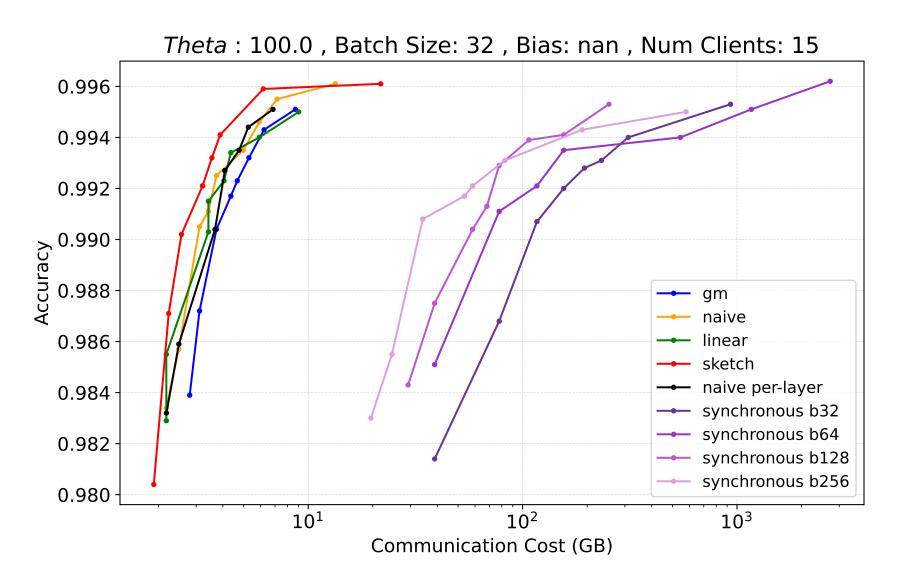
Accuracy

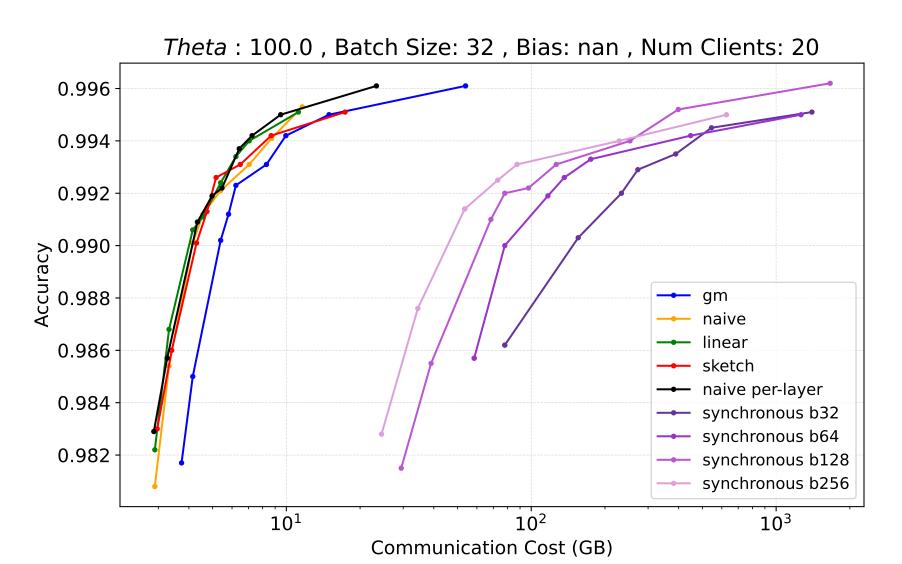
 10^{1}

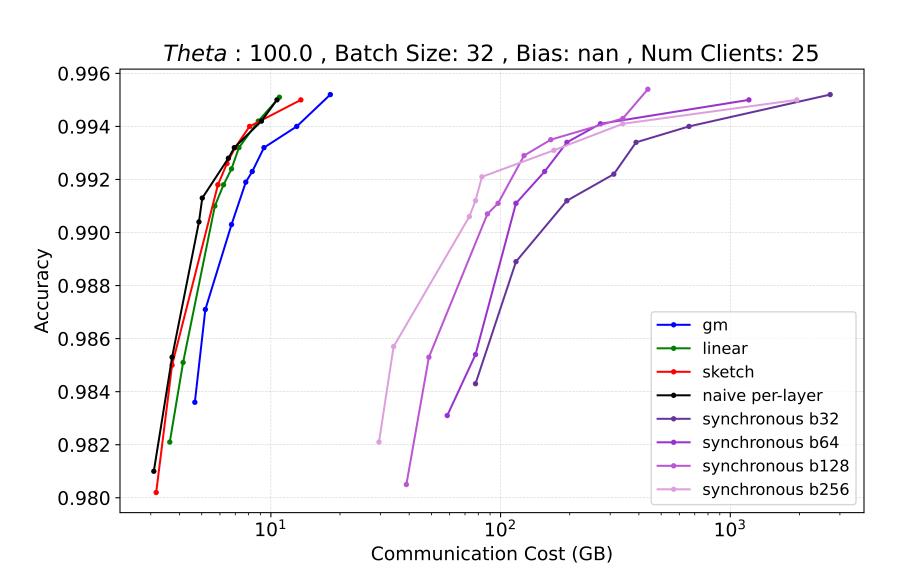


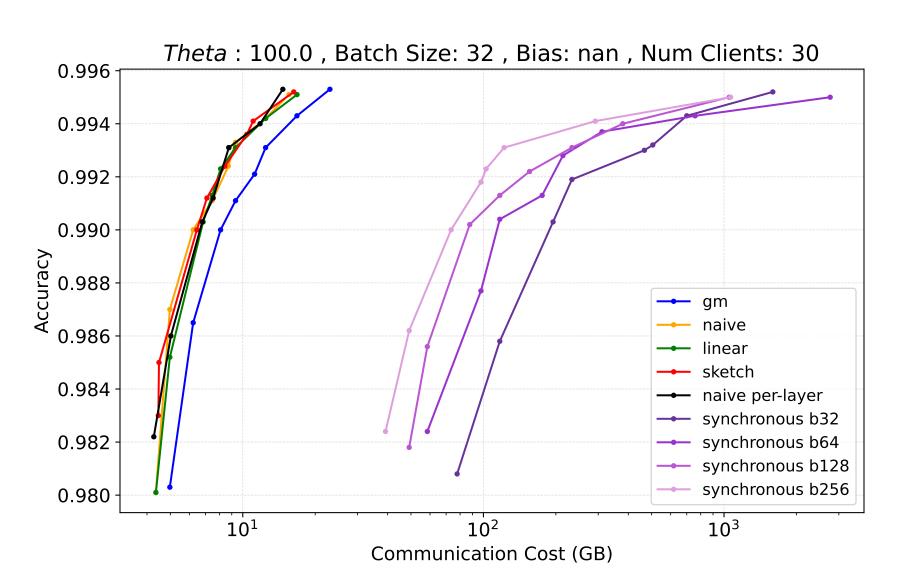
Theta: 100.0, Batch Size: 32, Bias: nan, Num Clients: 10

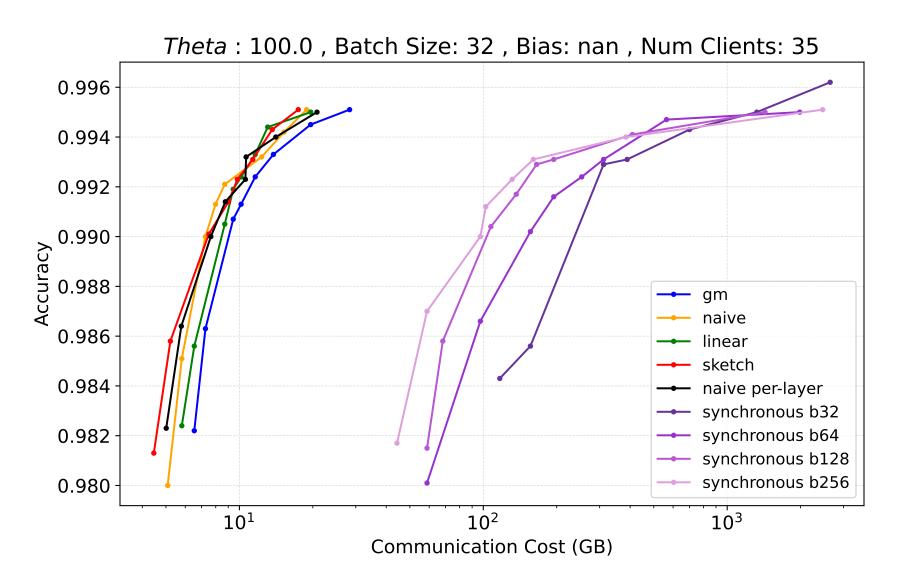


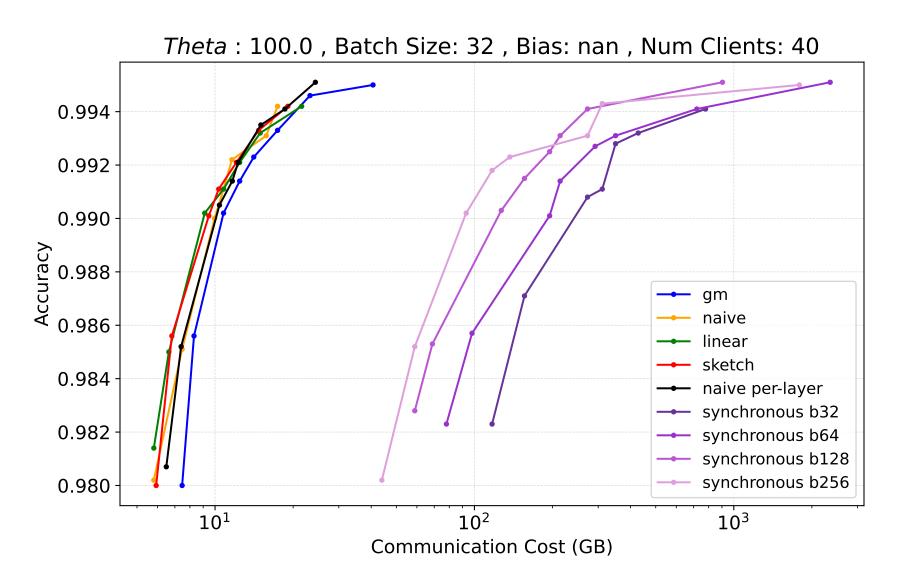


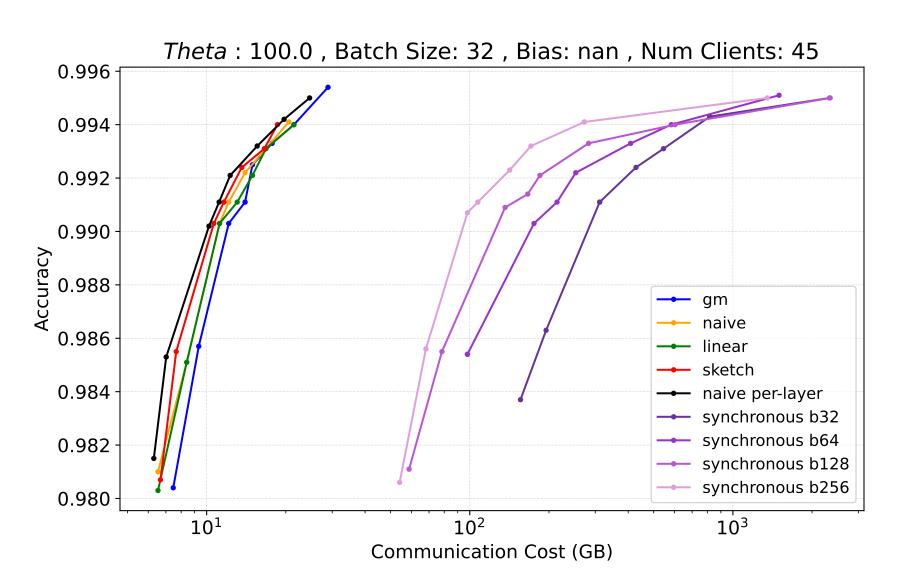


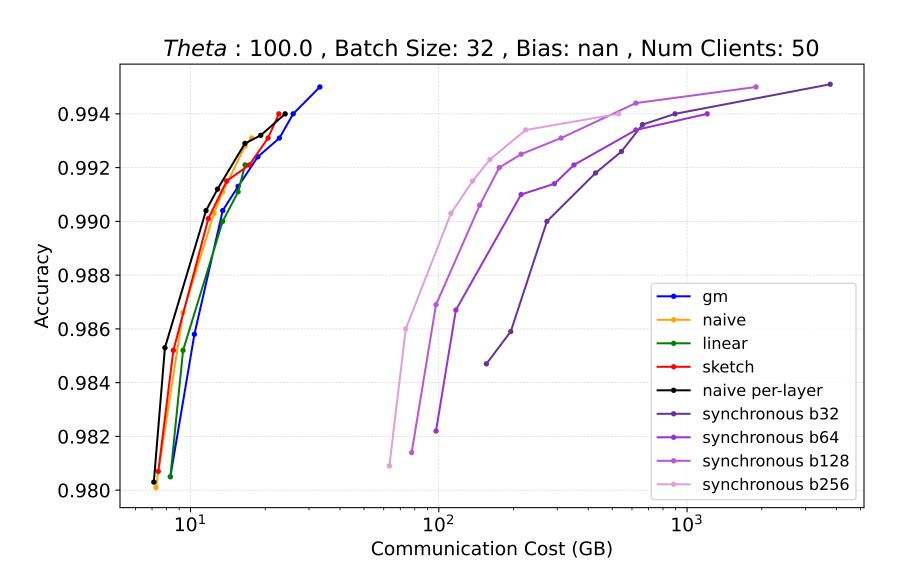


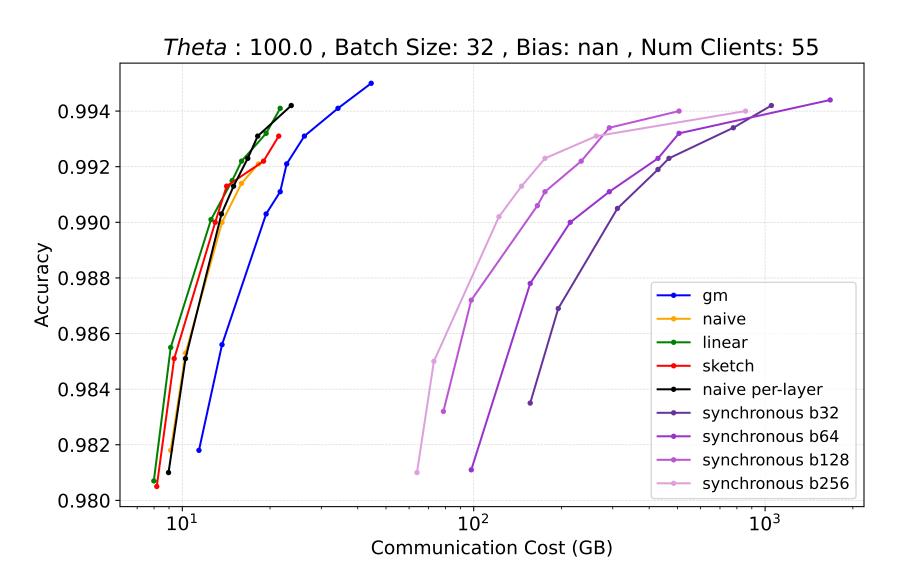


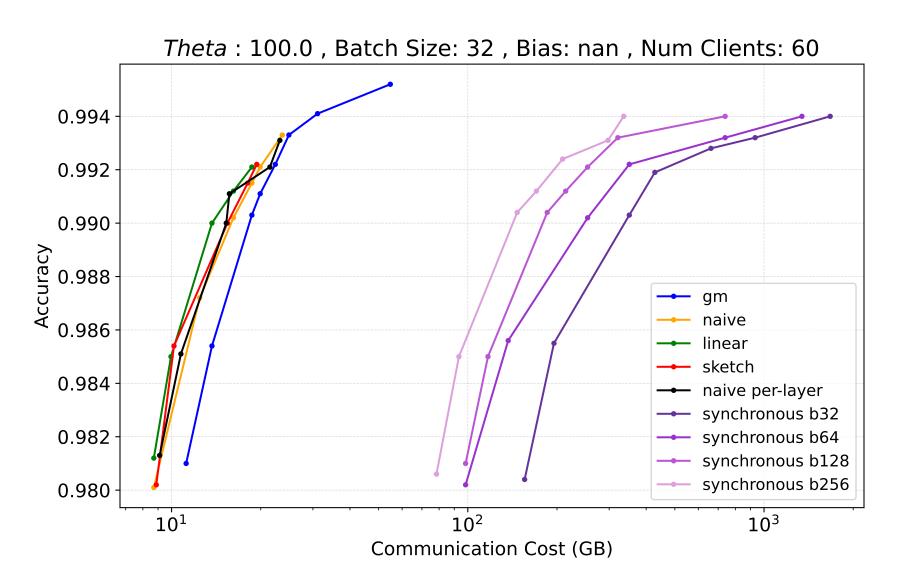


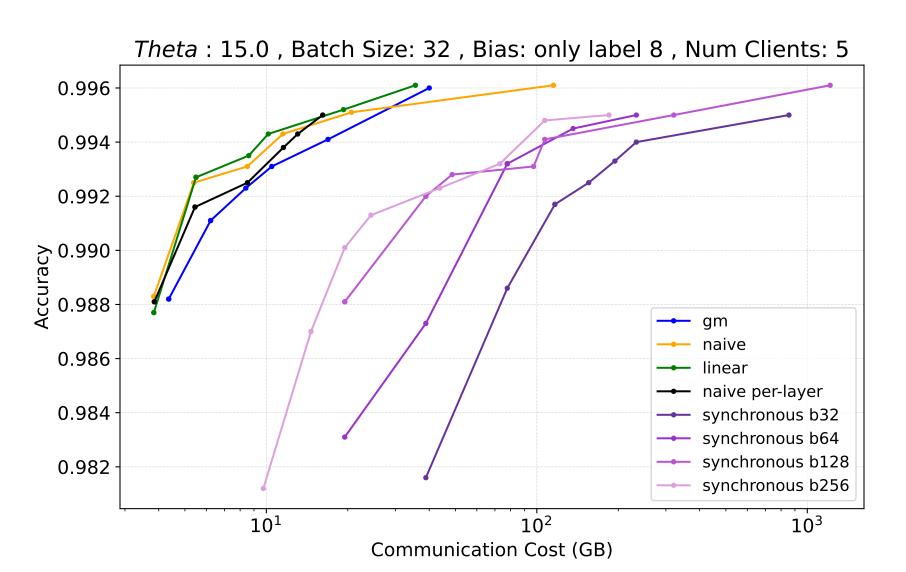


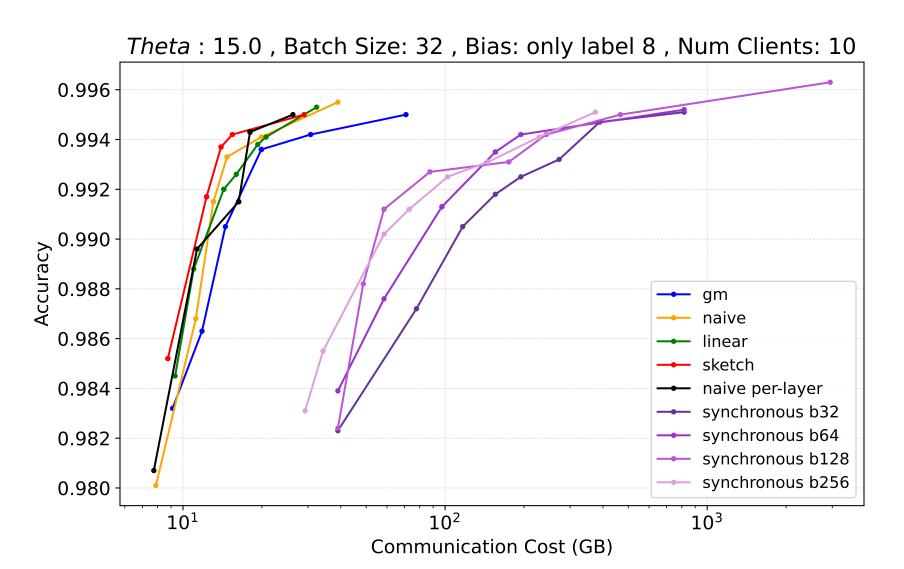


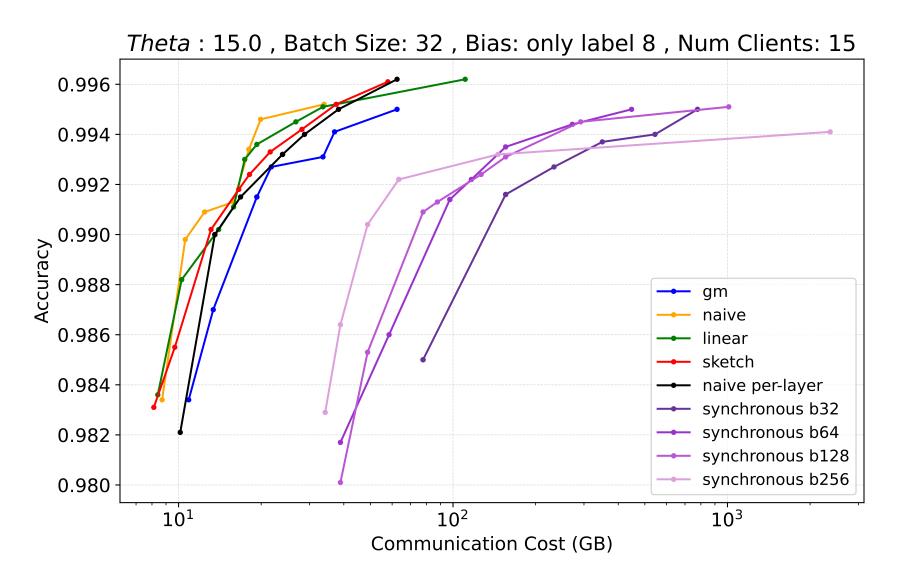




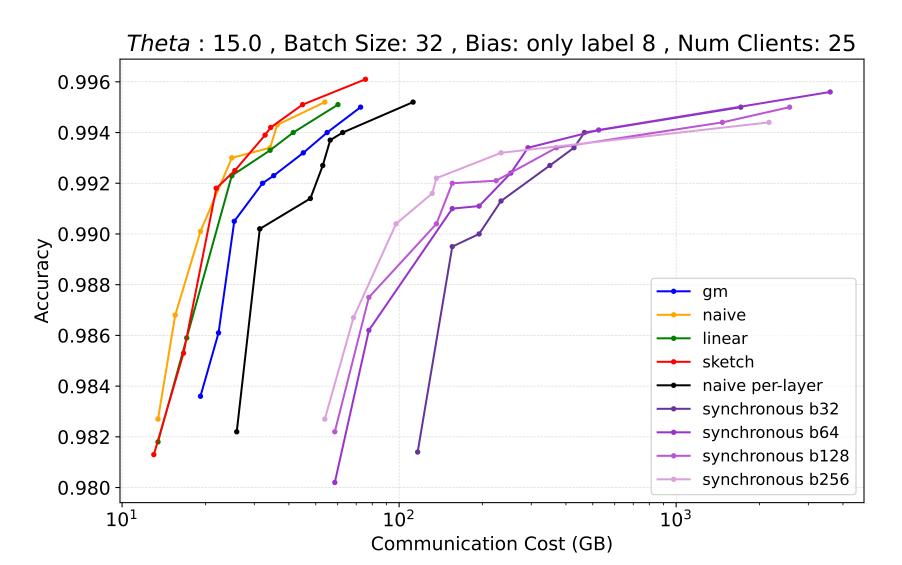


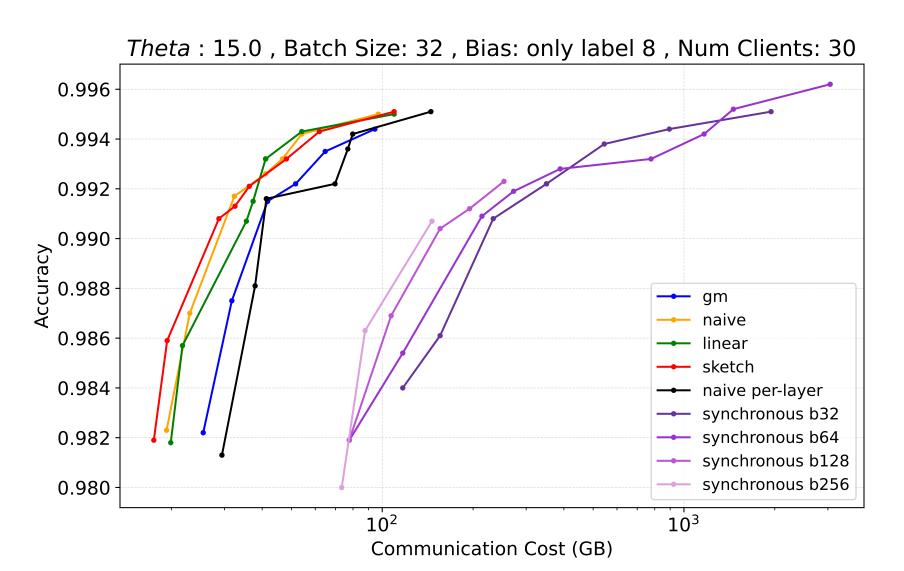


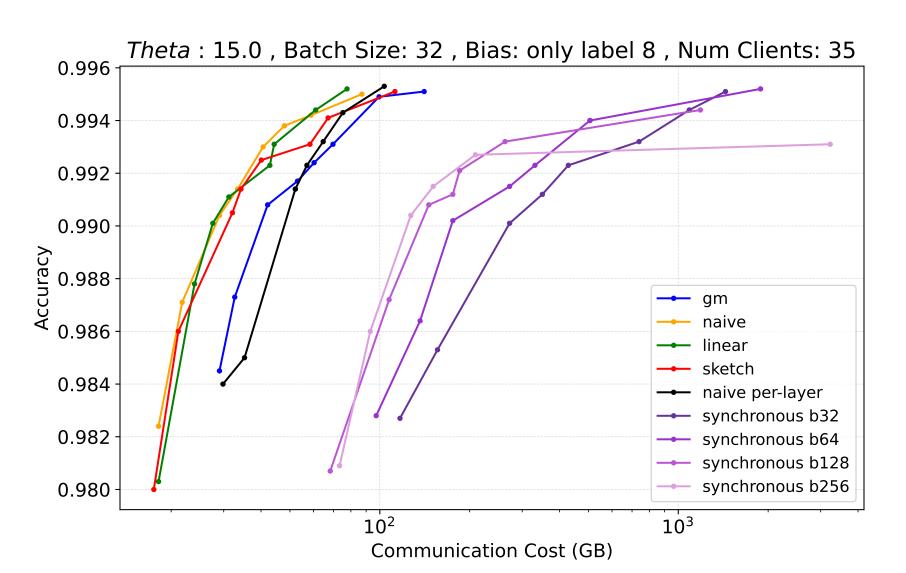


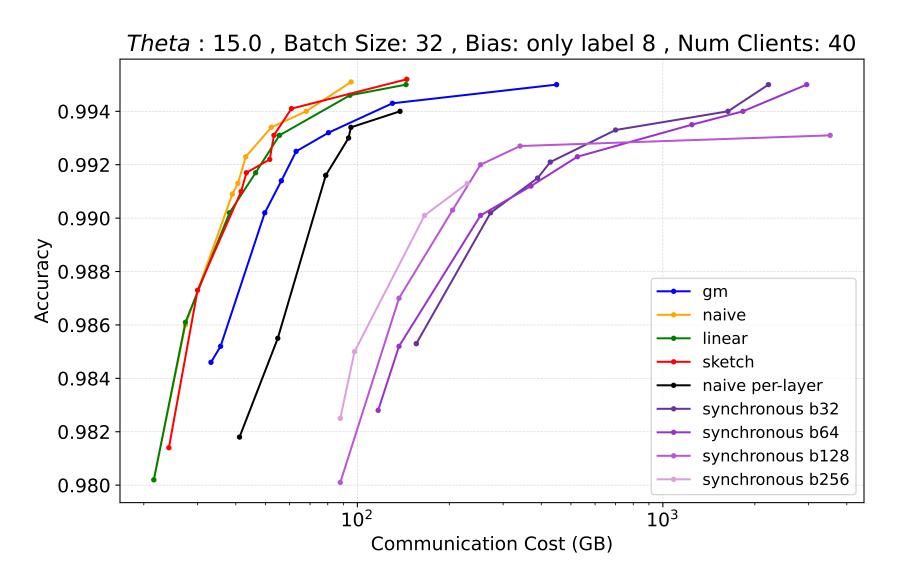


Theta: 15.0, Batch Size: 32, Bias: only label 8, Num Clients: 20 0.996 0.994 0.992 Accuracy .0 0.0 gm naive 0.986 linear sketch naive per-layer 0.984 synchronous b32 → synchronous b64 0.982 synchronous b128 synchronous b256 0.980 10² 10^{1} 10^{3} Communication Cost (GB)



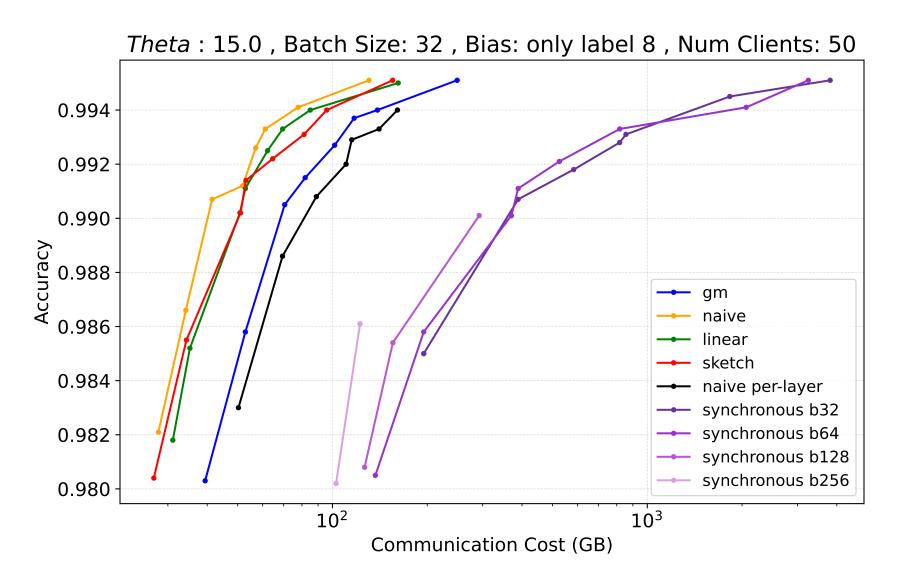


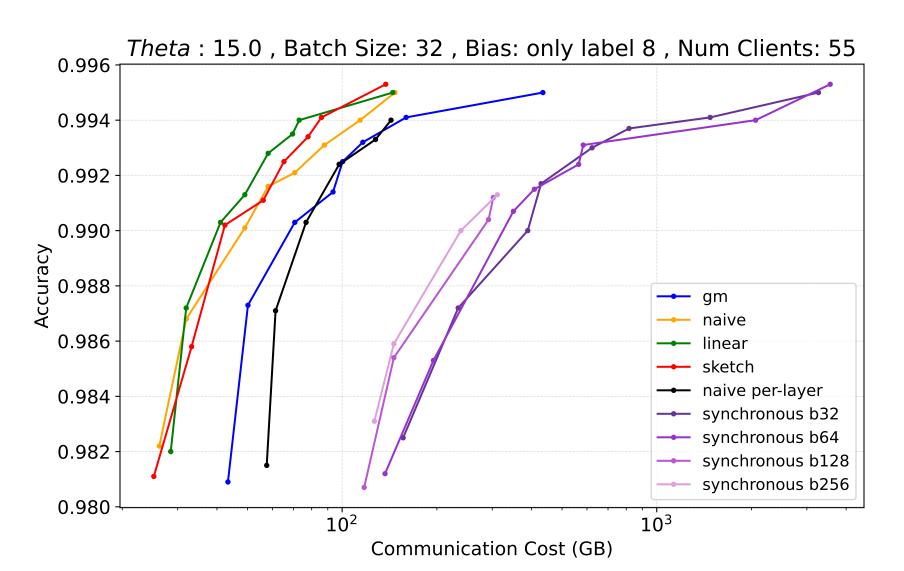


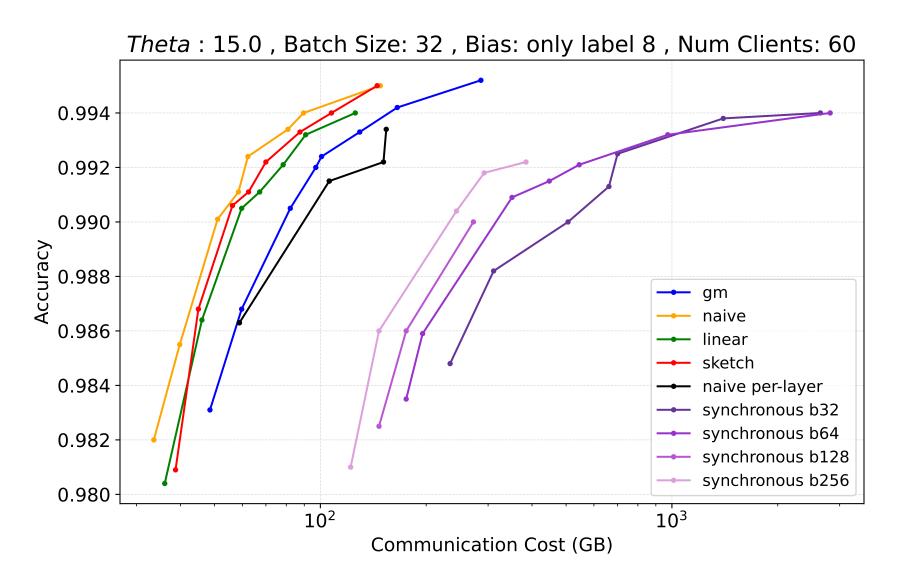


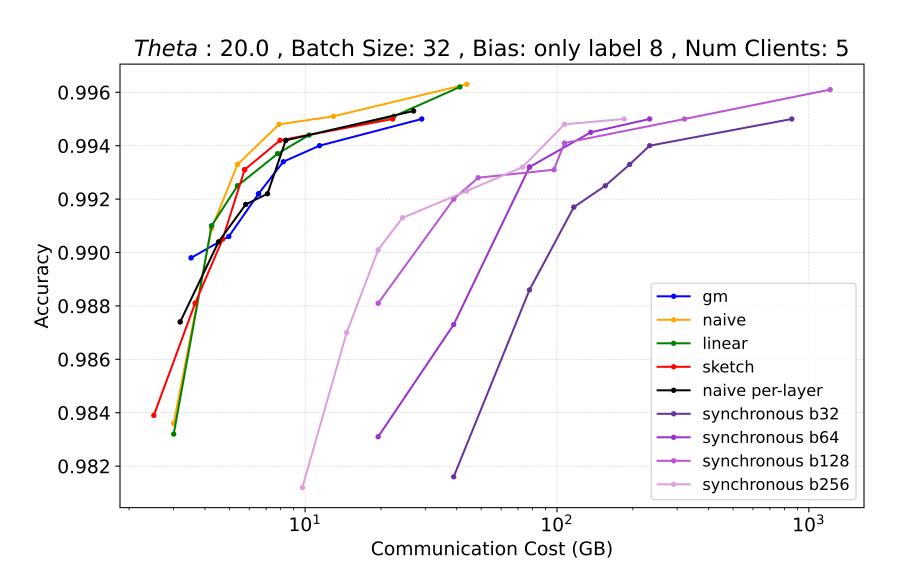
Theta: 15.0, Batch Size: 32, Bias: only label 8, Num Clients: 45 0.994 0.992 0.990 Accuracy 0.988gm naive 0.986 linear sketch naive per-layer 0.984 synchronous b32 → synchronous b64 0.982 synchronous b128 synchronous b256 10^2 10³

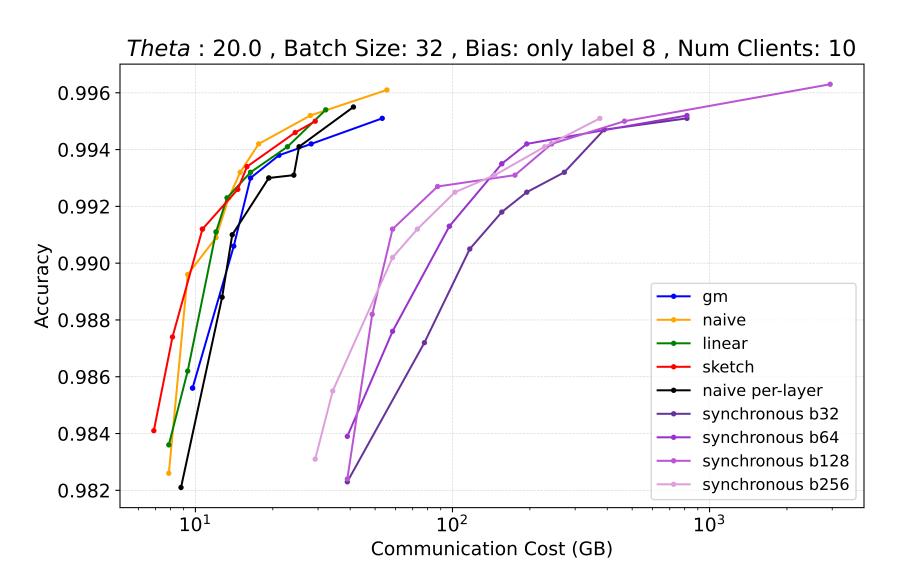
Communication Cost (GB)

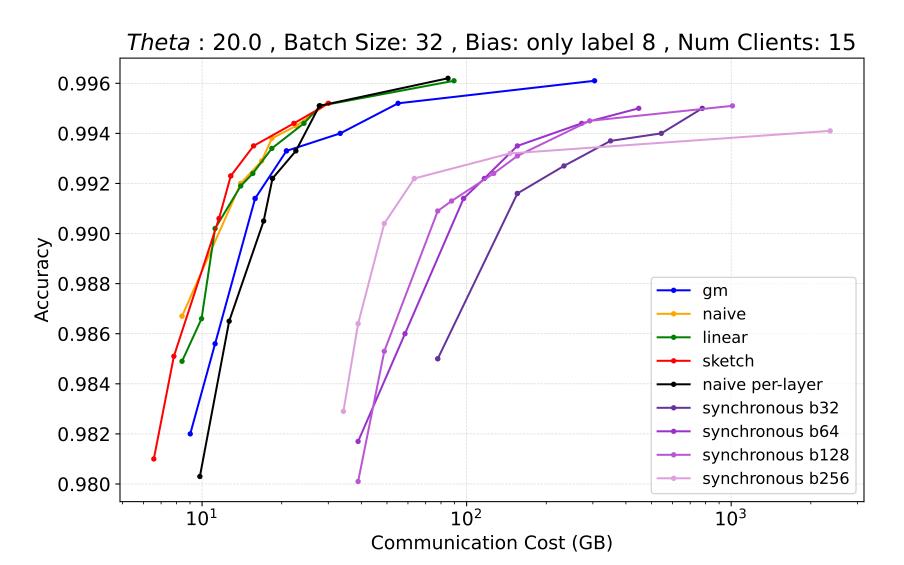


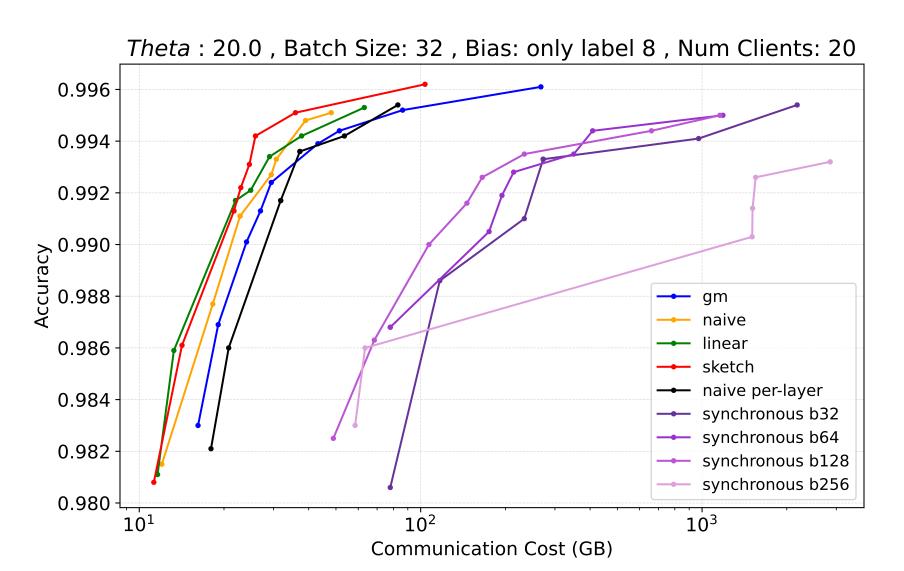


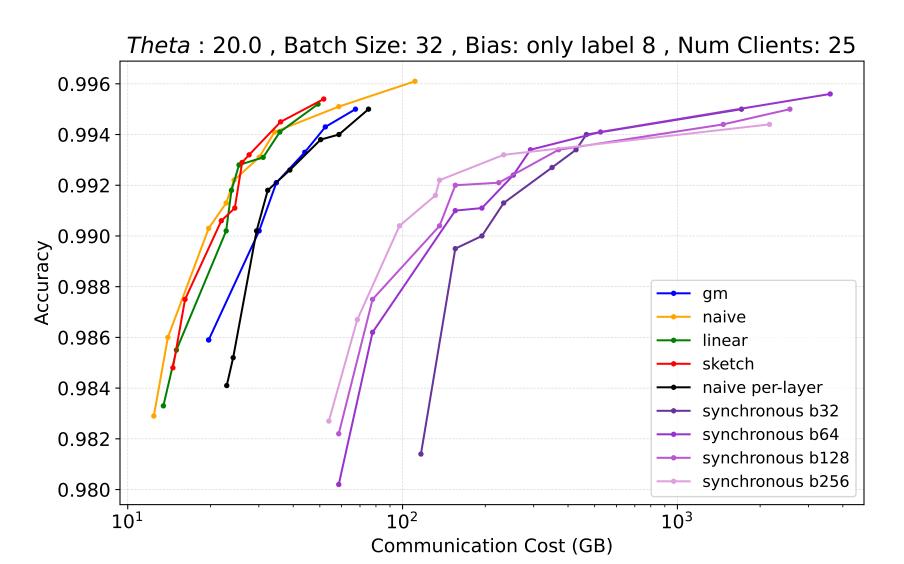


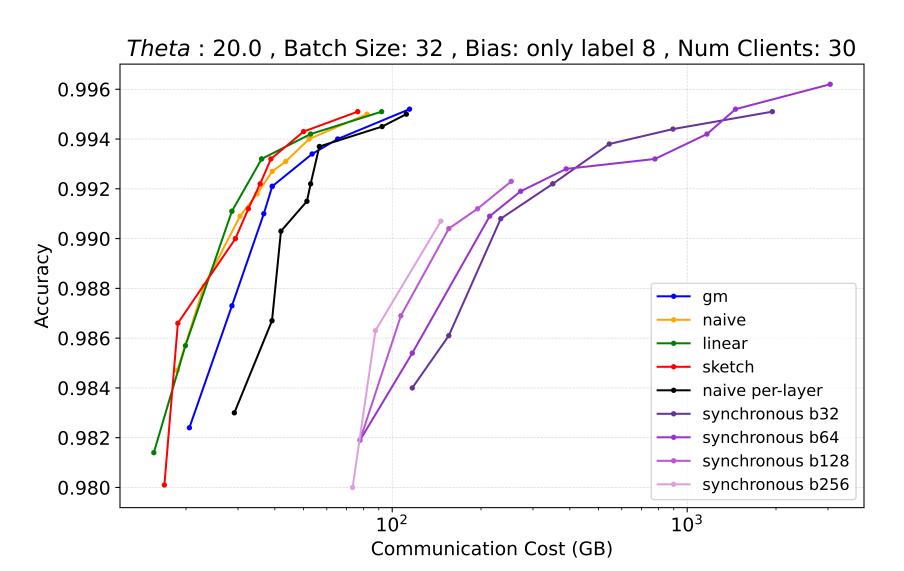


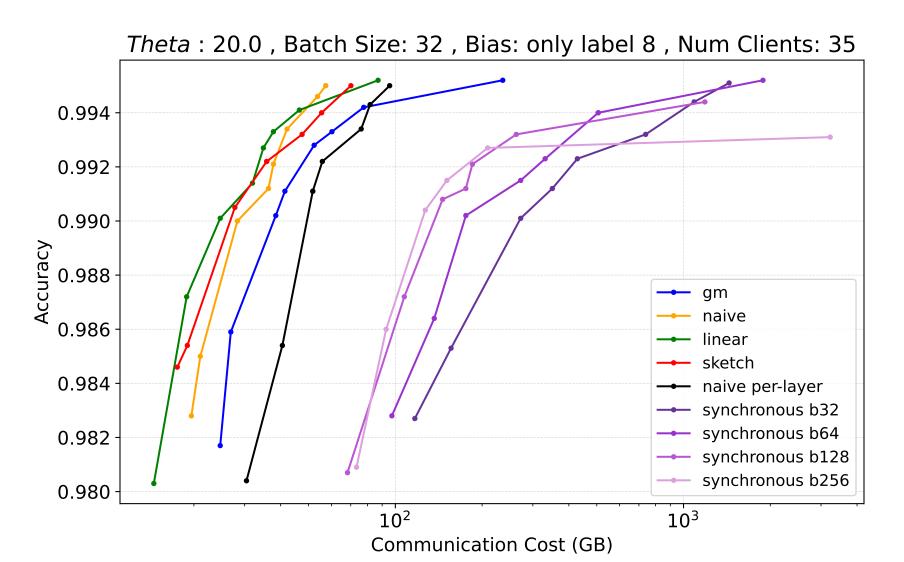


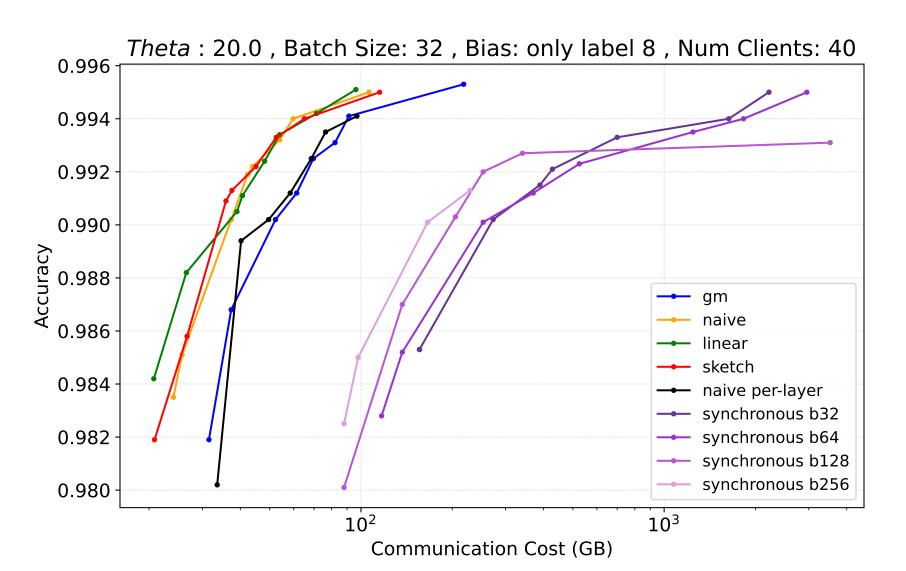




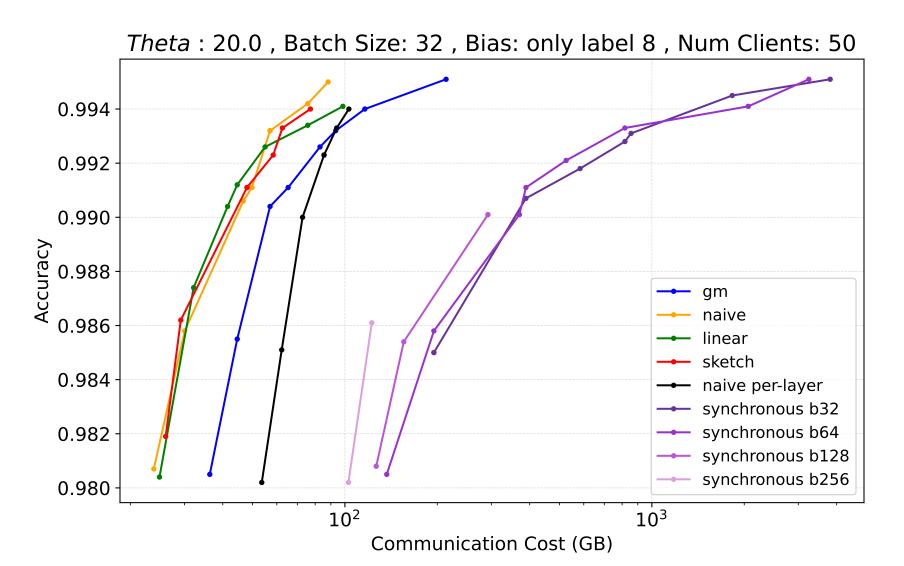


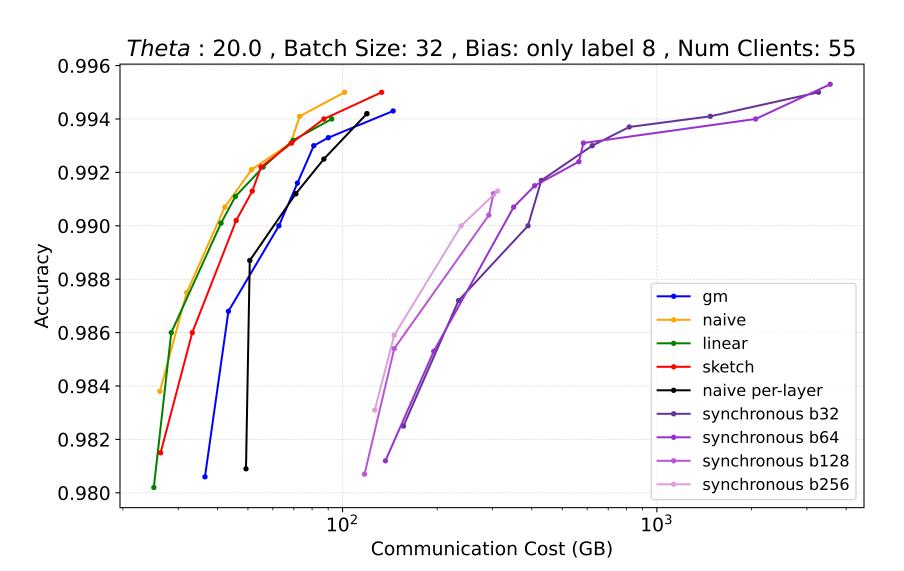


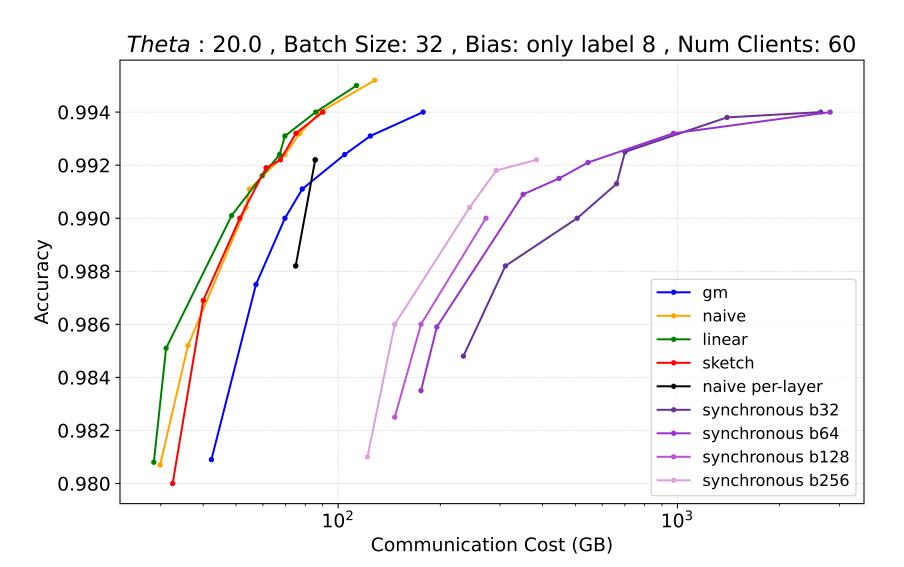


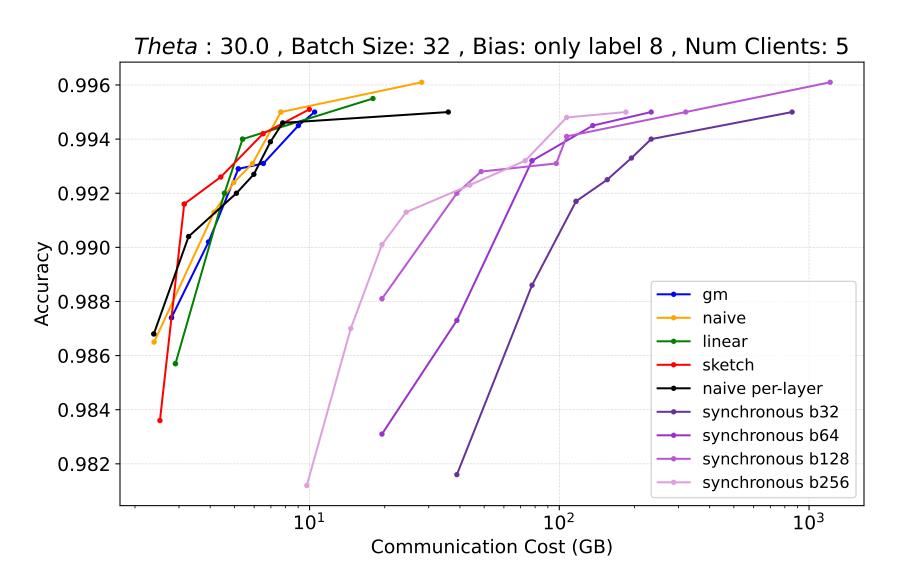


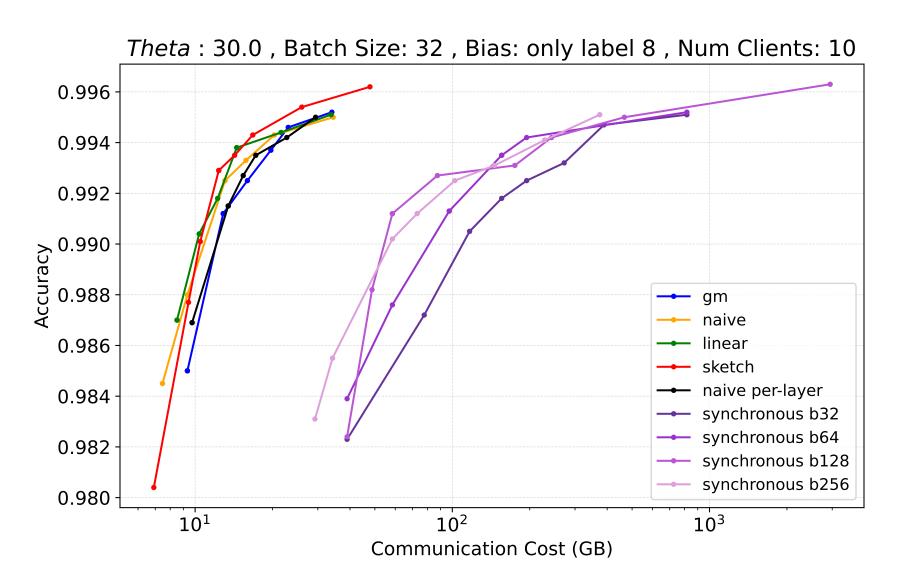
Theta: 20.0, Batch Size: 32, Bias: only label 8, Num Clients: 45 0.994 0.992 0.990 Accuracy 0.988gm naive linear 0.986 sketch naive per-layer 0.984 synchronous b32 → synchronous b64 0.982 synchronous b128 synchronous b256 10³ 10² Communication Cost (GB)

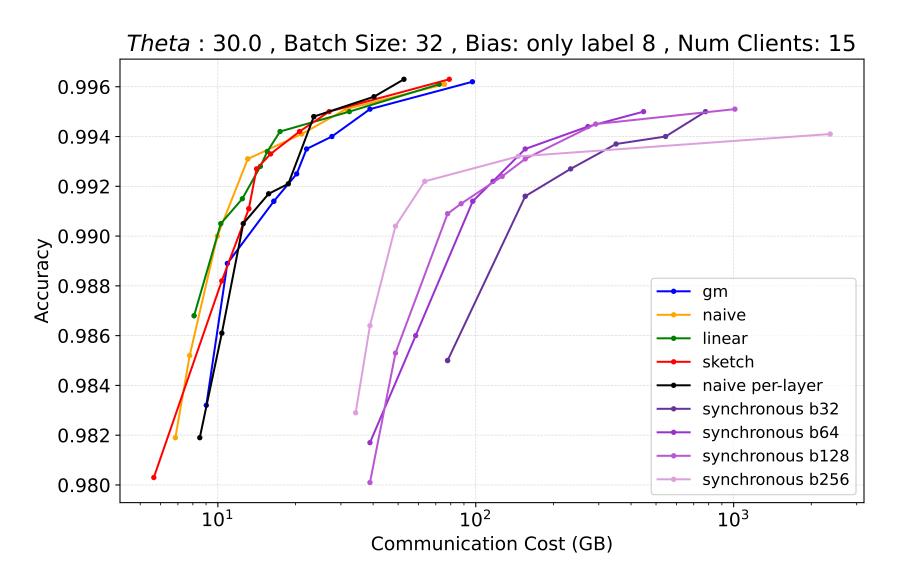


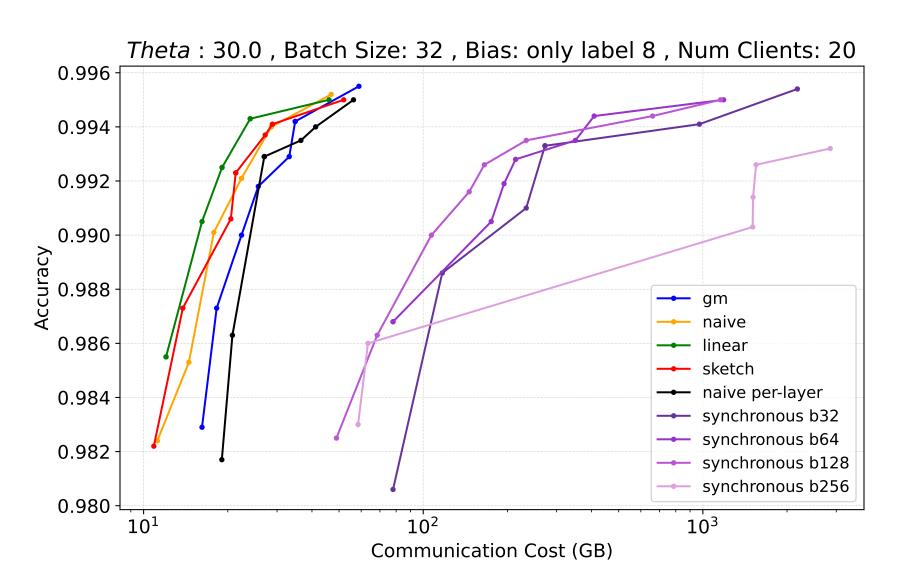


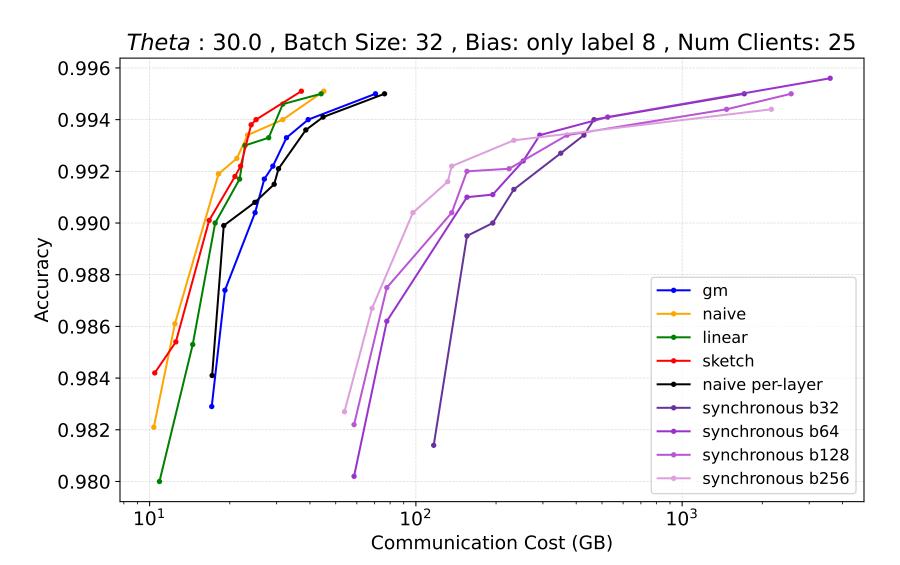


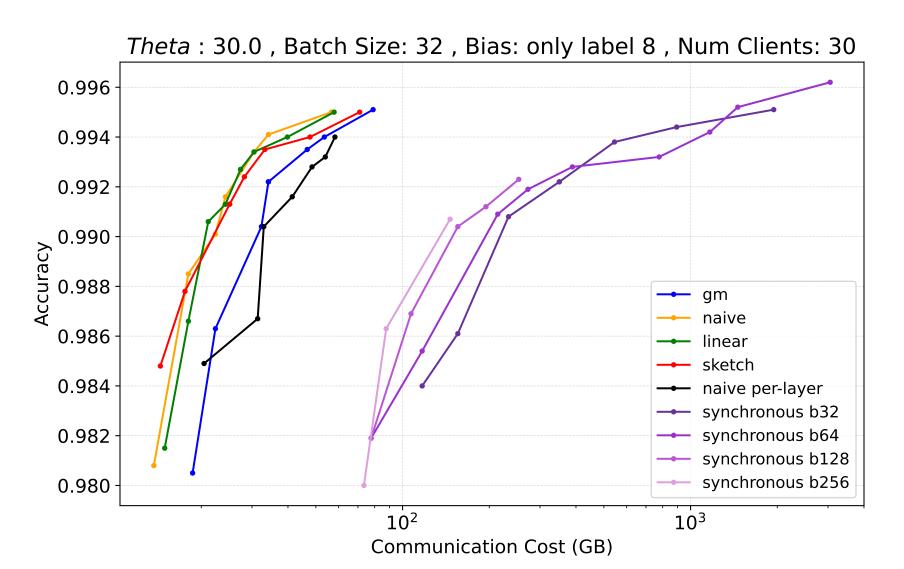






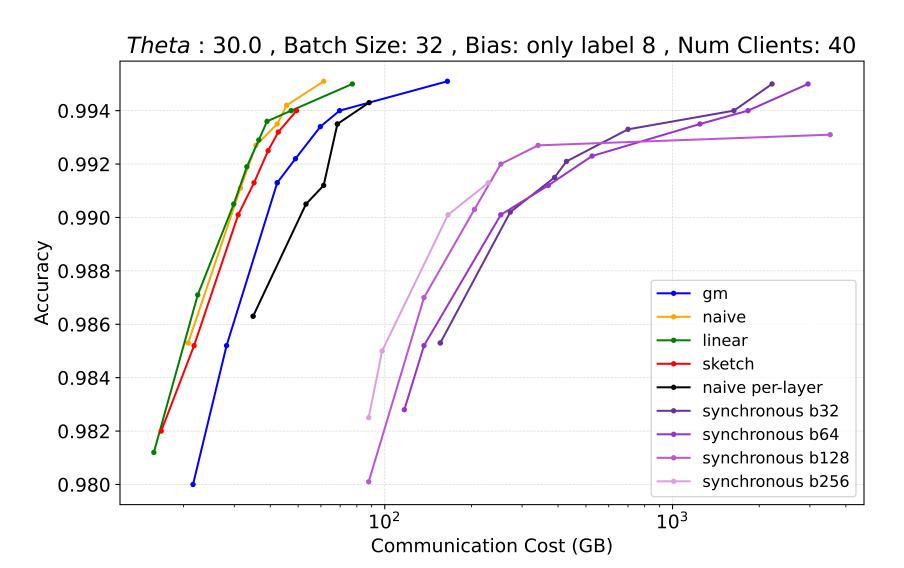


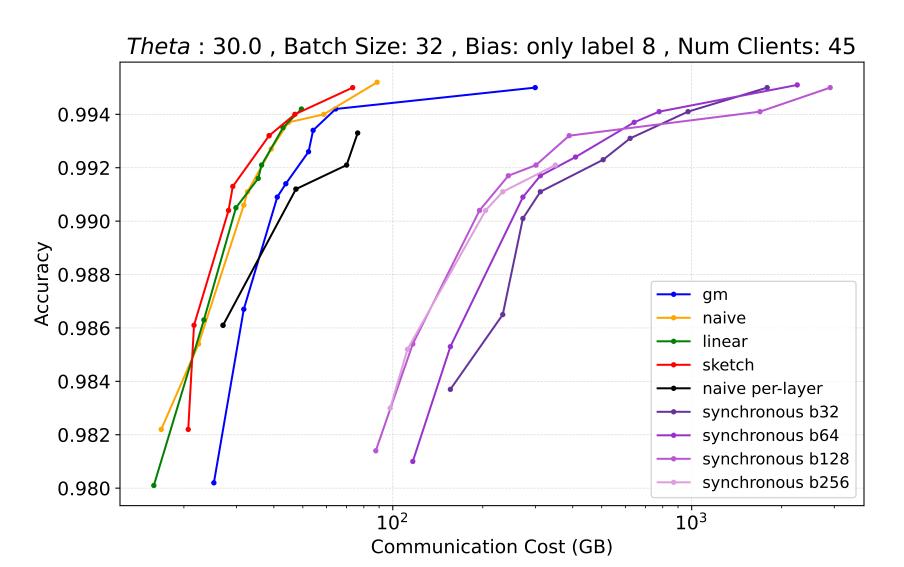


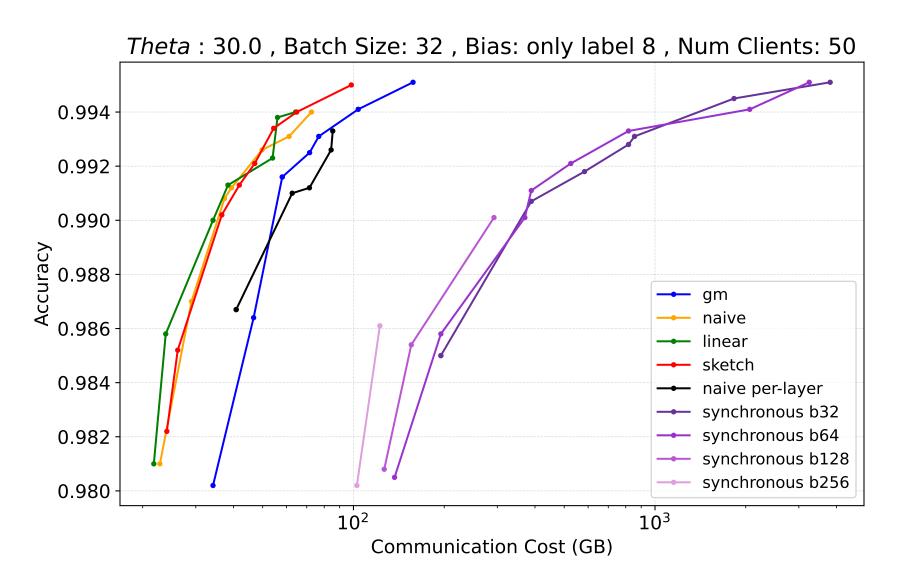


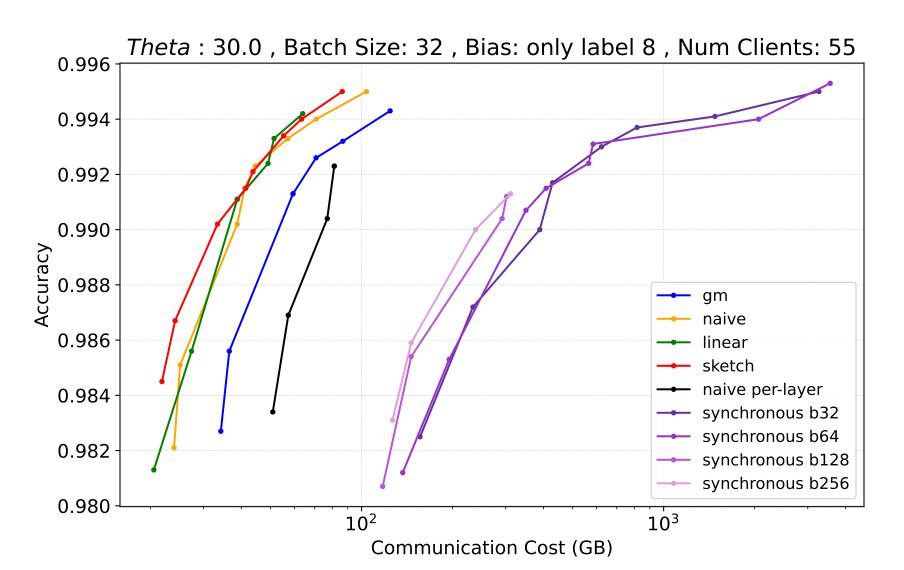
Theta: 30.0, Batch Size: 32, Bias: only label 8, Num Clients: 35 0.994 0.992 0.990 Accuracy 0.988 gm naive 0.986 linear sketch naive per-layer 0.984 synchronous b32 → synchronous b64 0.982 synchronous b128 synchronous b256 0.980 10² 10³

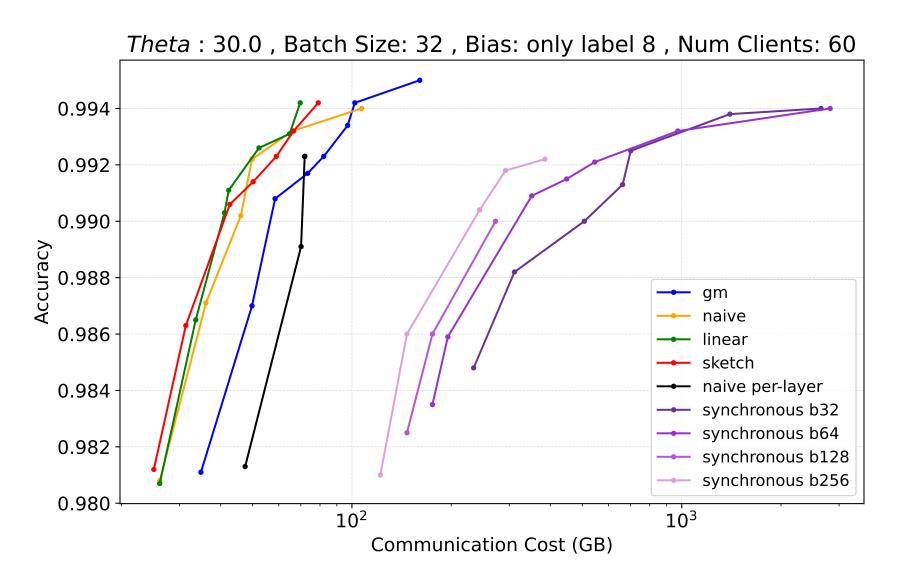
Communication Cost (GB)

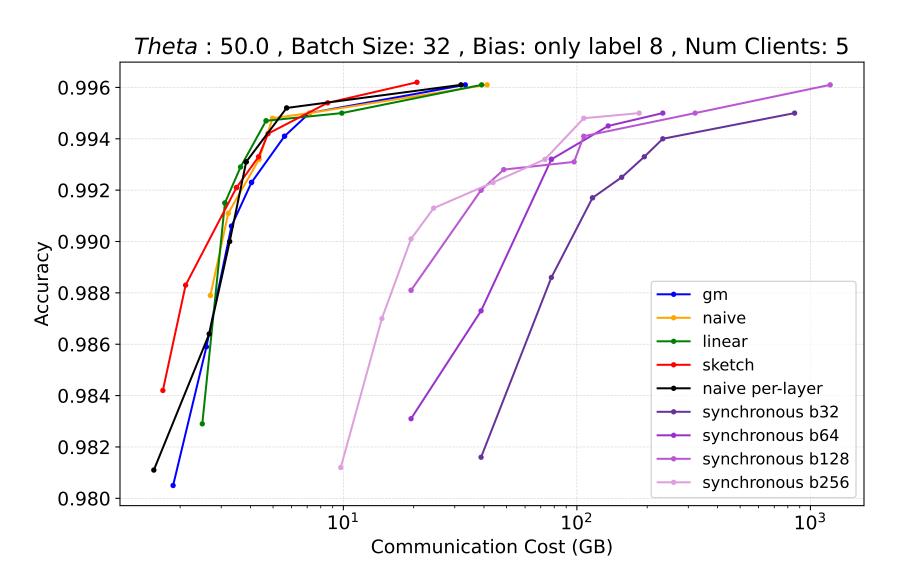


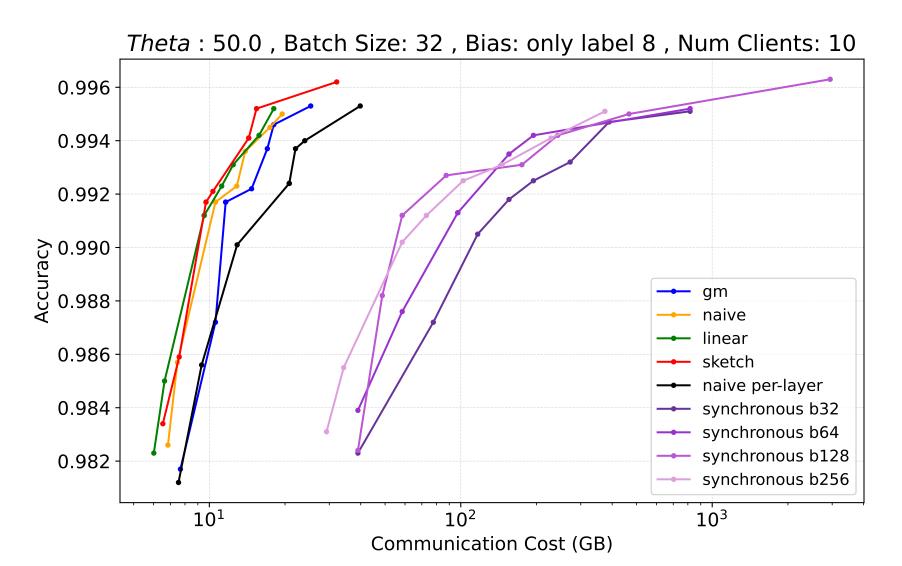


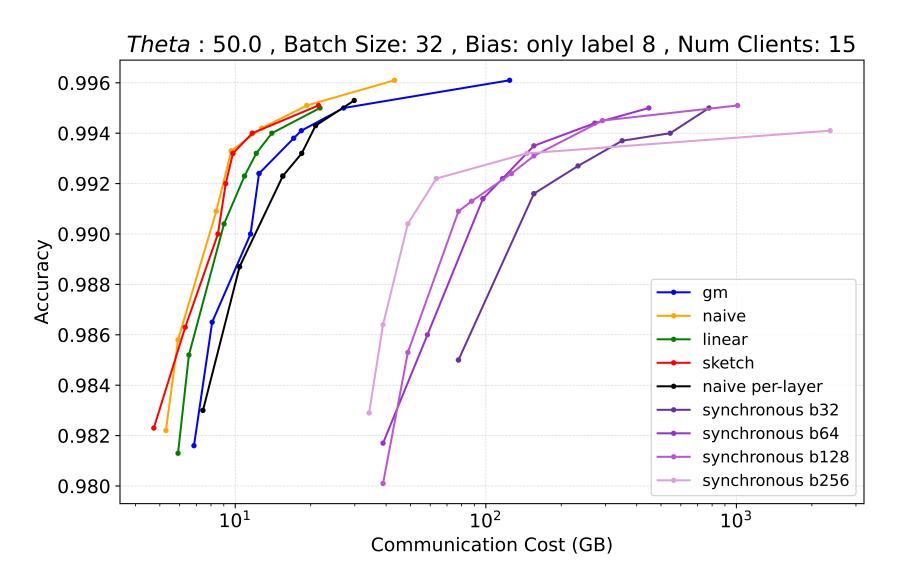


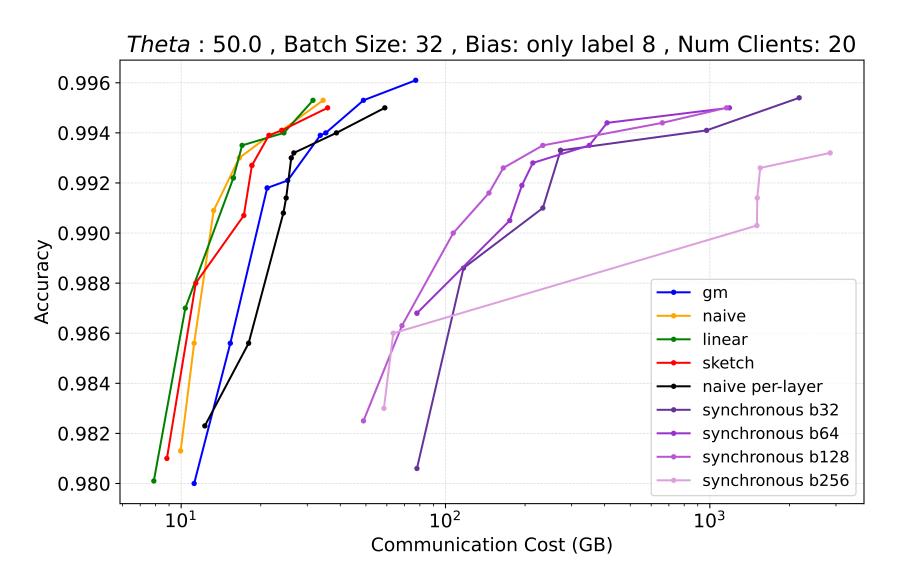


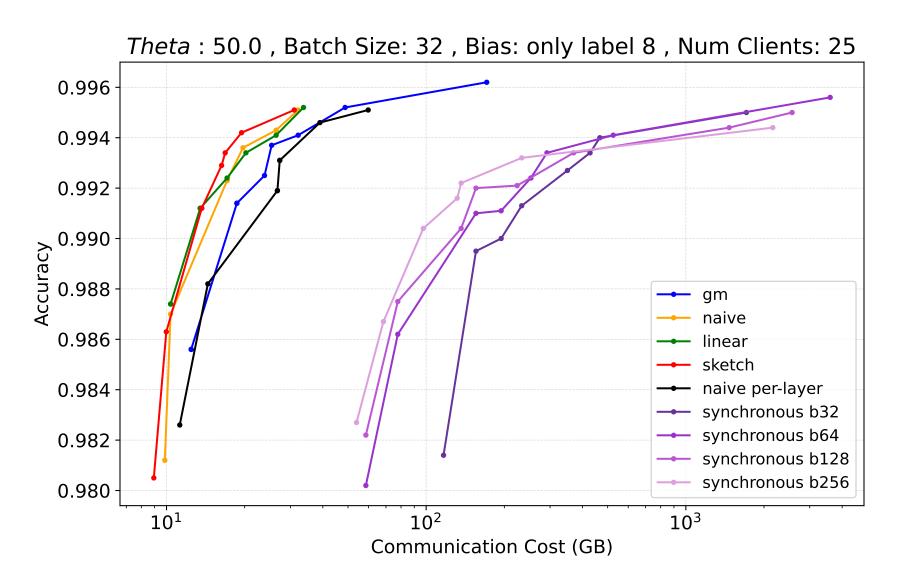


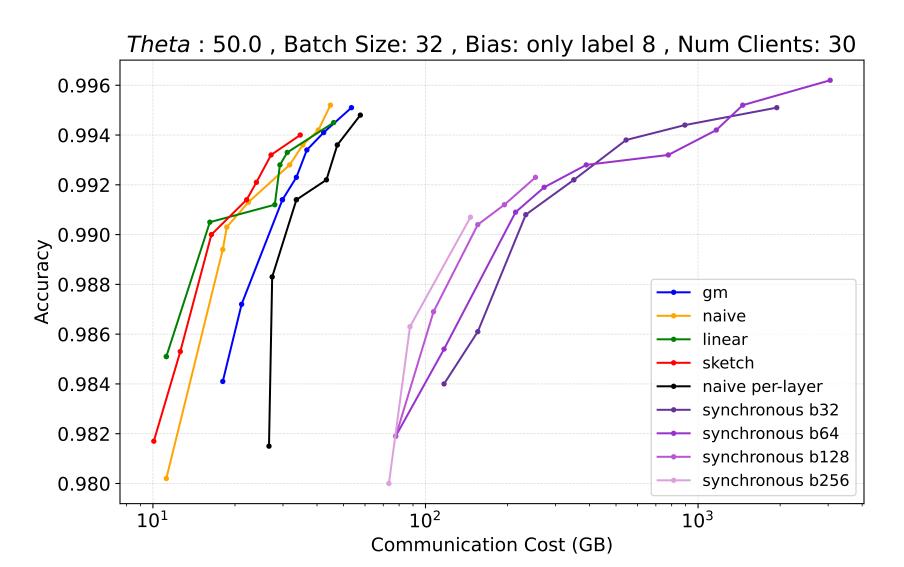


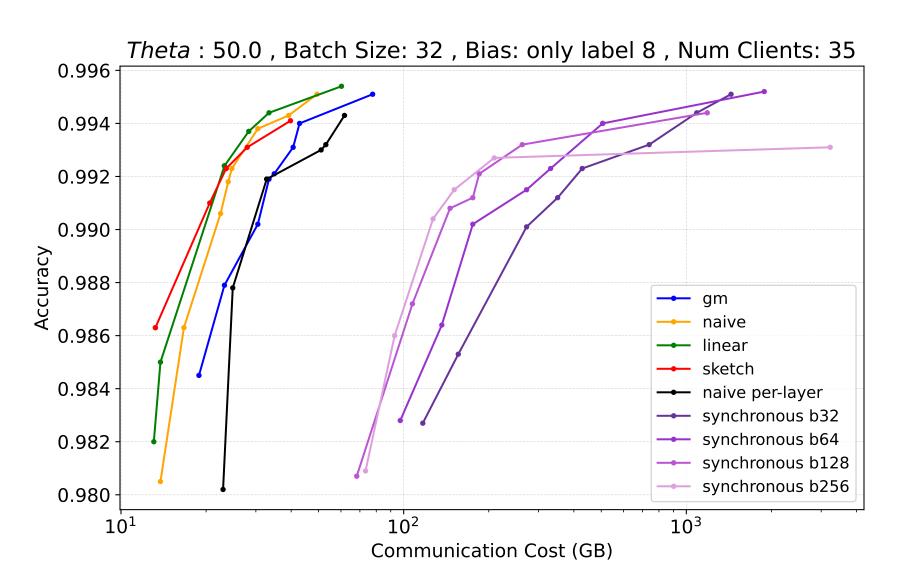


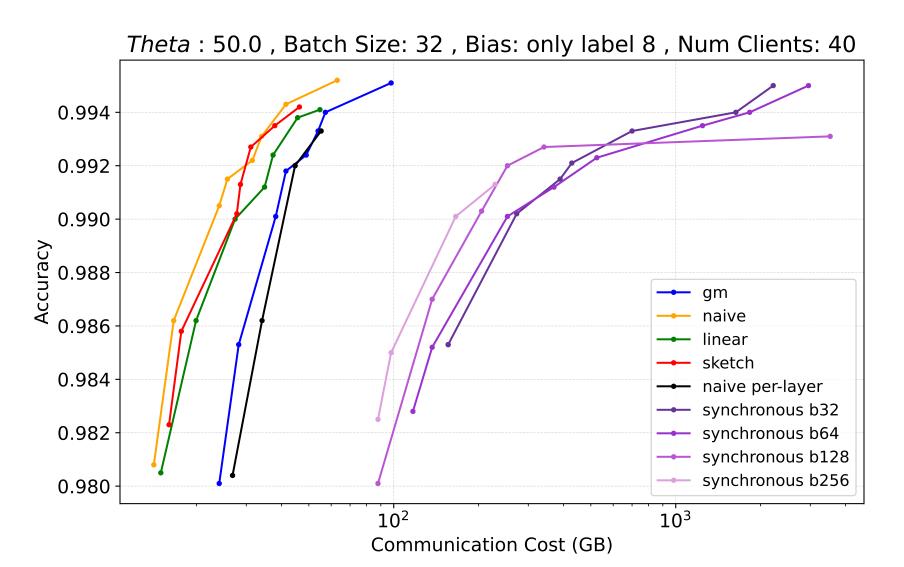






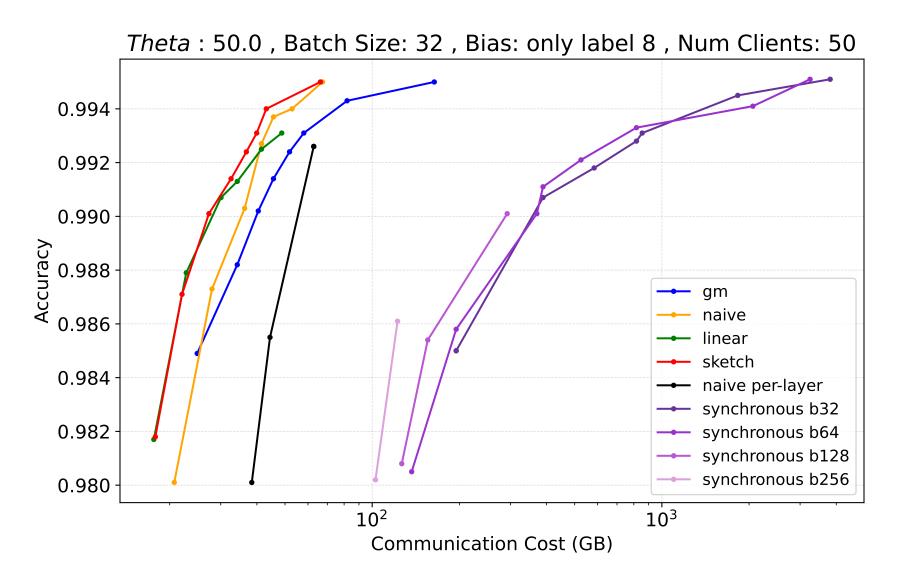


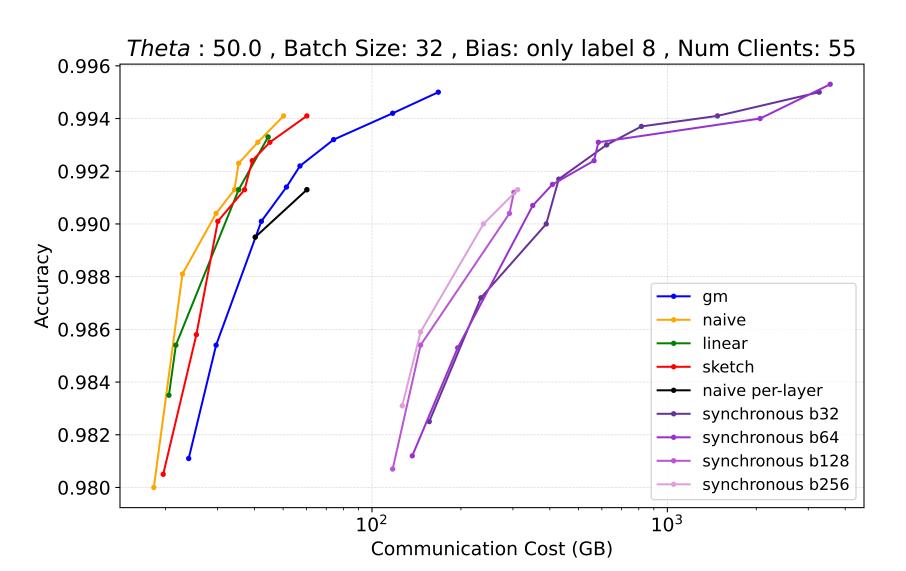


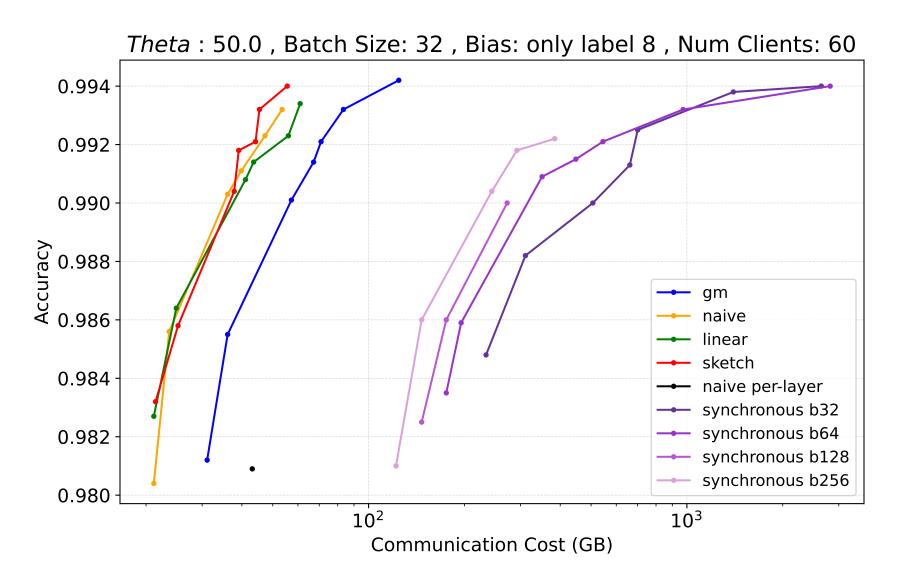


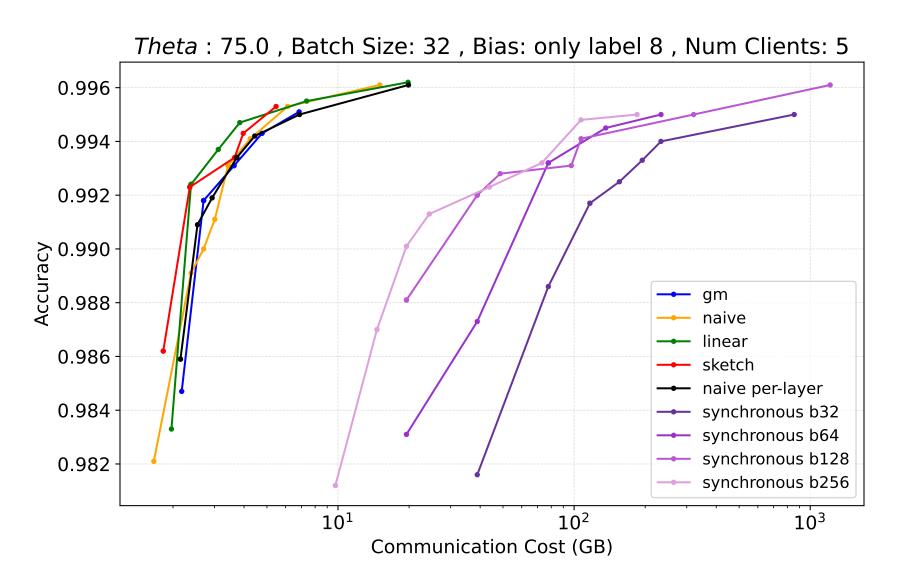
Theta: 50.0, Batch Size: 32, Bias: only label 8, Num Clients: 45 0.994 0.992 0.990 Accuracy 0.988 gm naive 0.986 linear sketch 0.984 naive per-layer synchronous b32 synchronous b64 0.982 synchronous b128 synchronous b256 0.980 10² 10³

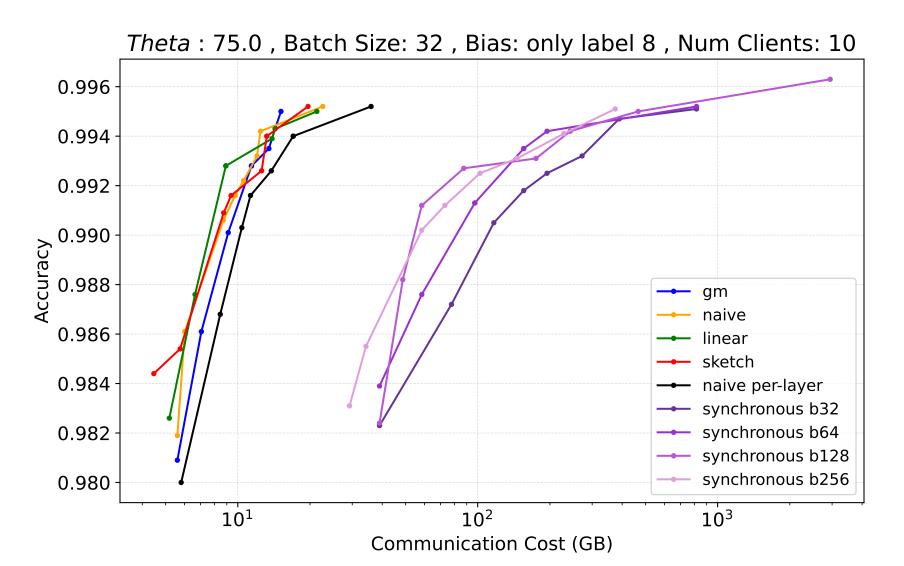
Communication Cost (GB)

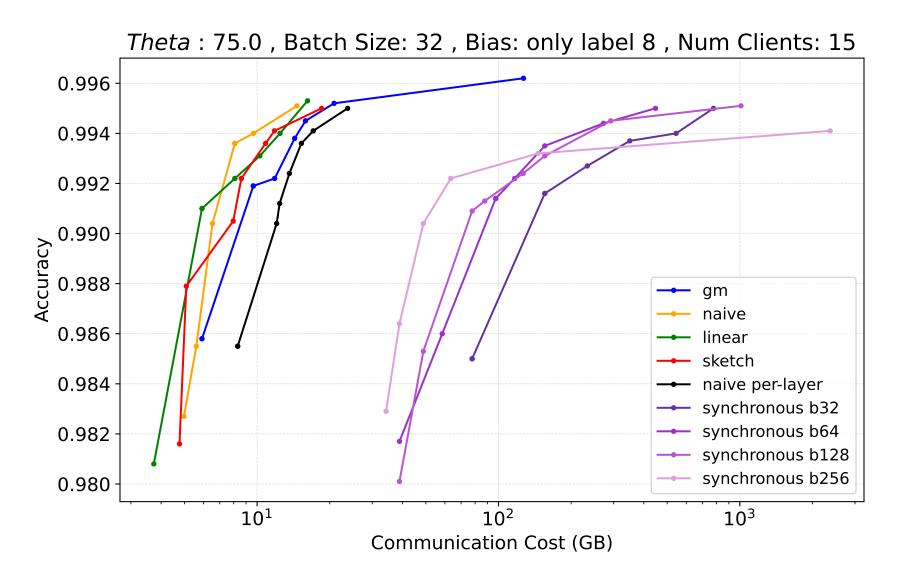


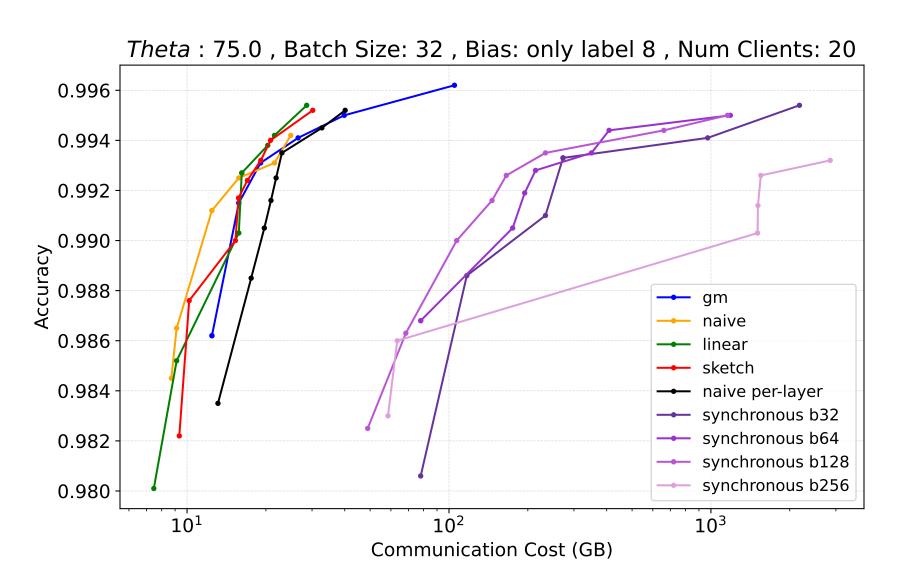


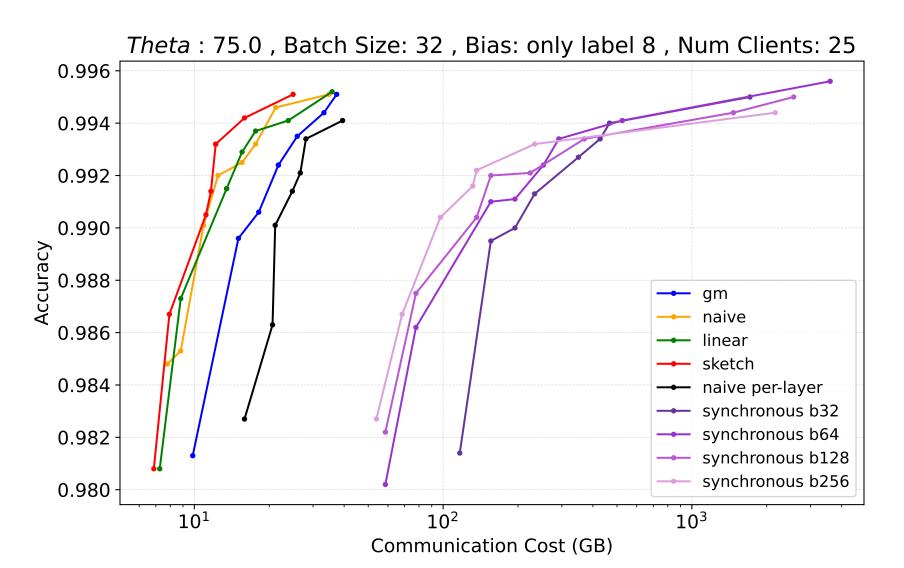


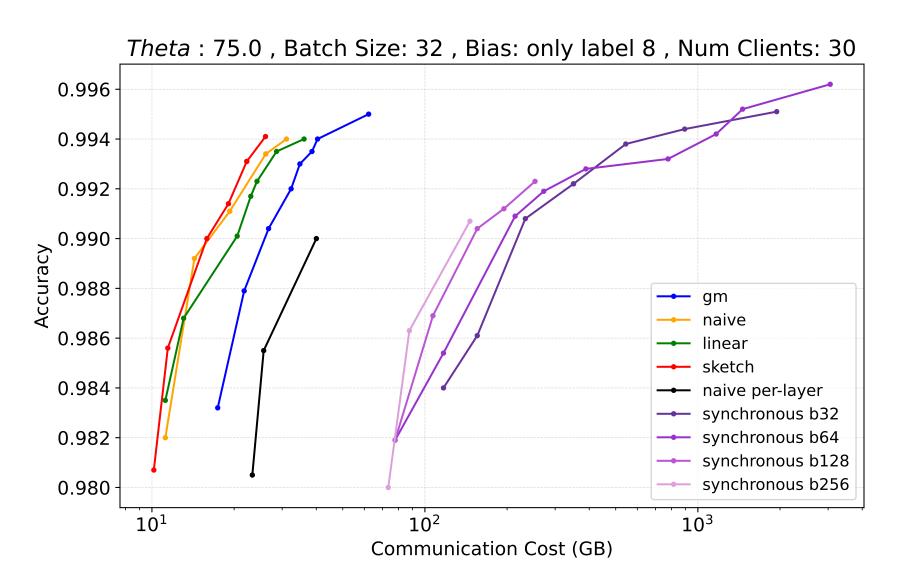


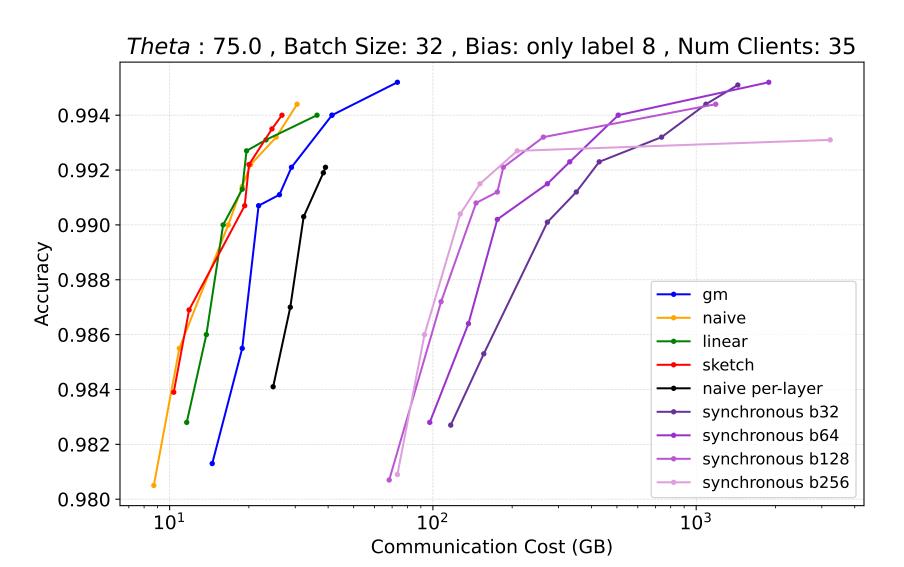


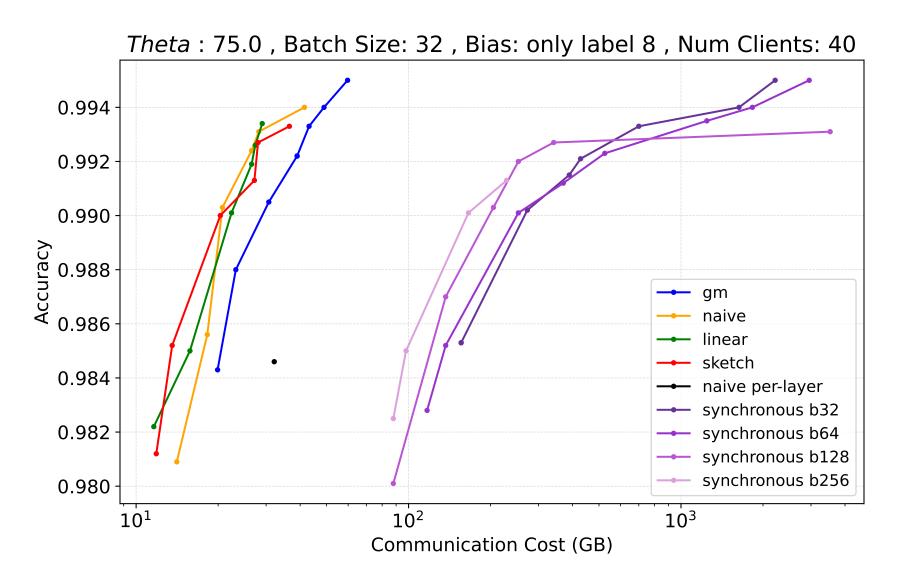




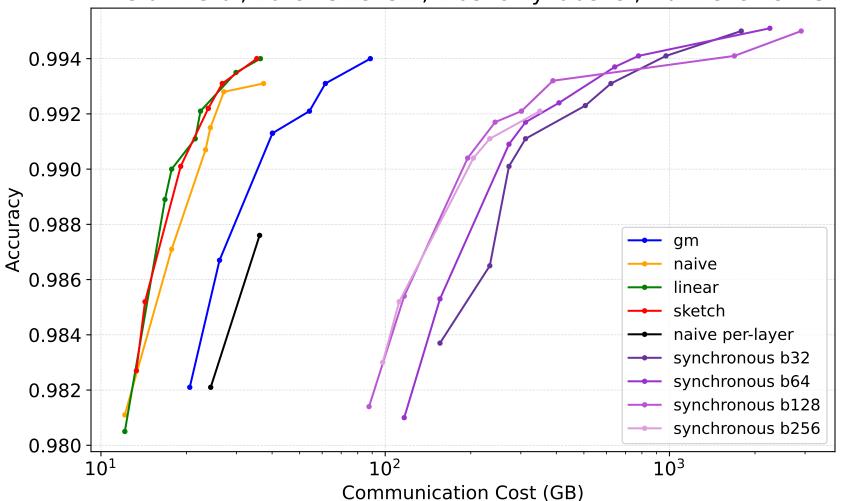


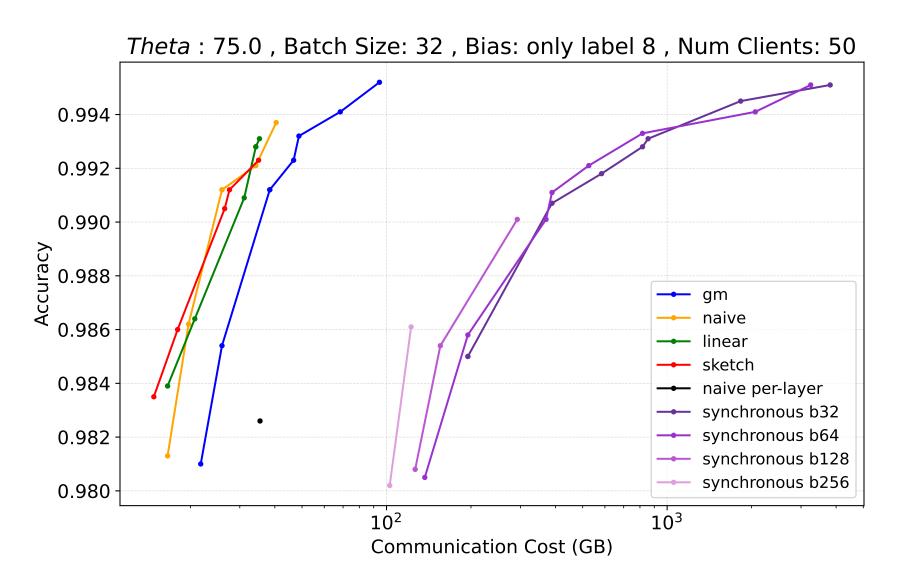


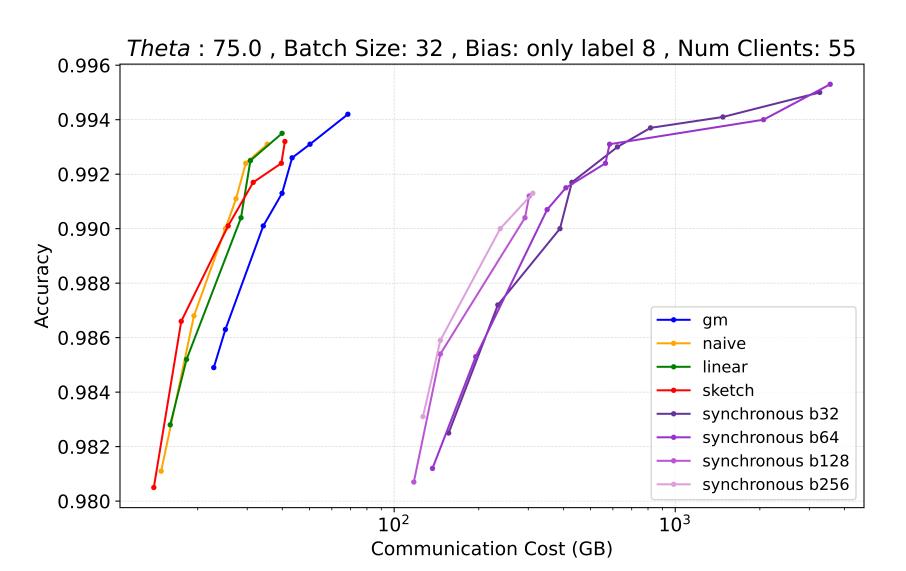


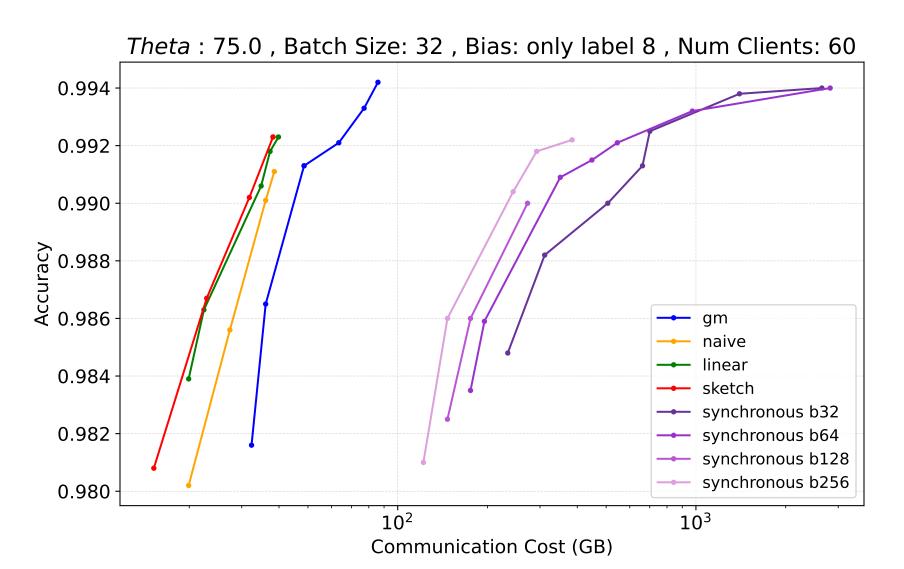


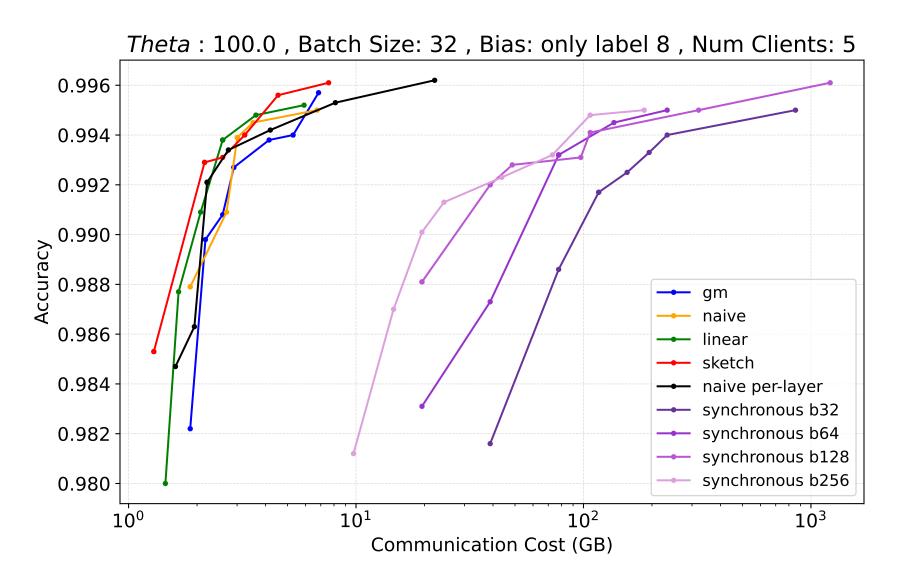
Theta: 75.0, Batch Size: 32, Bias: only label 8, Num Clients: 45



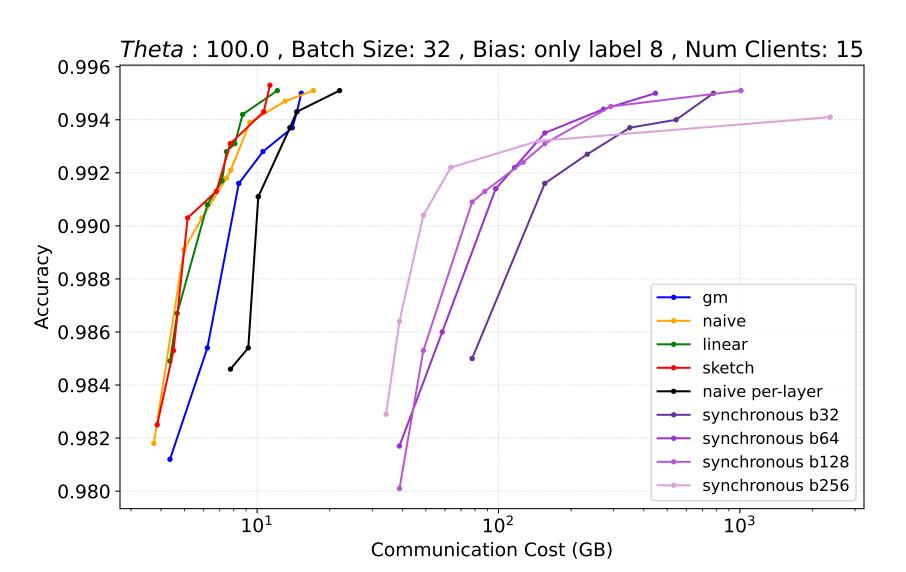


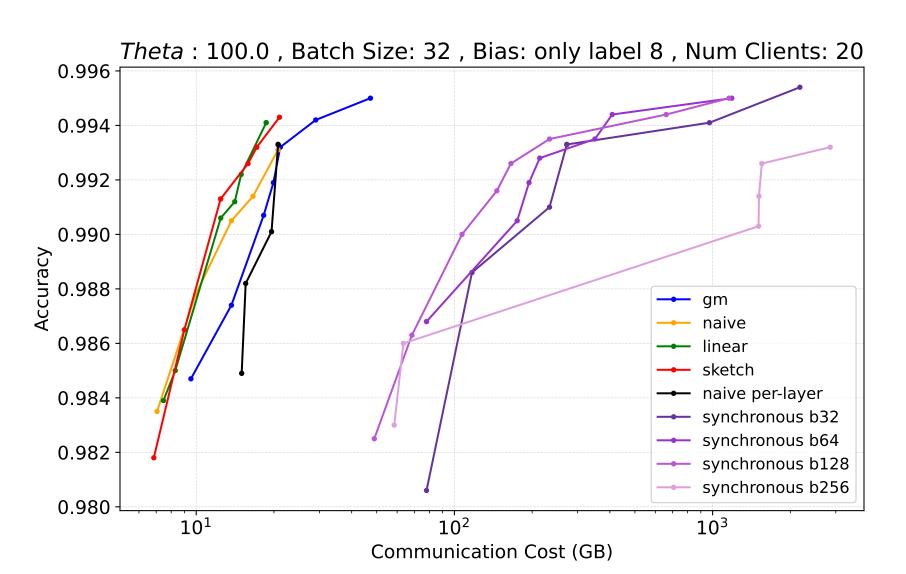




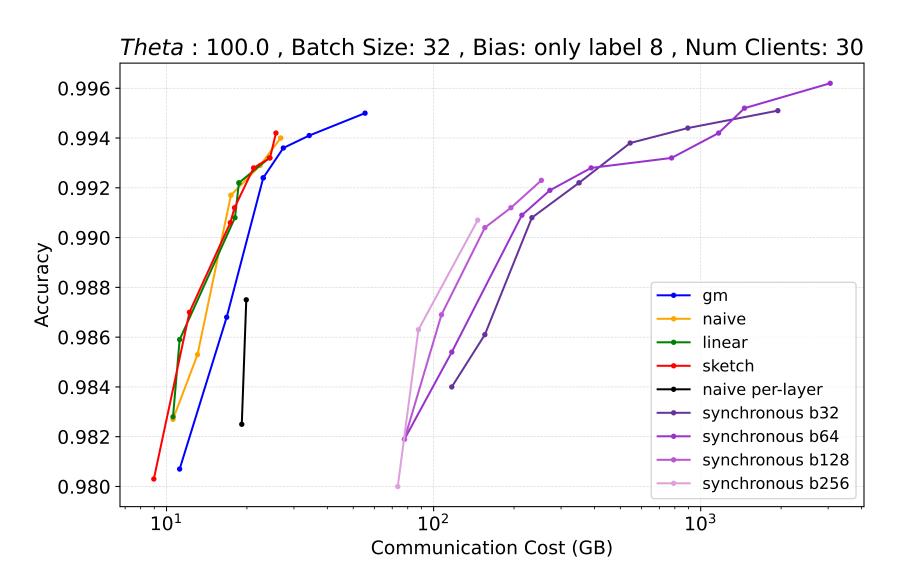


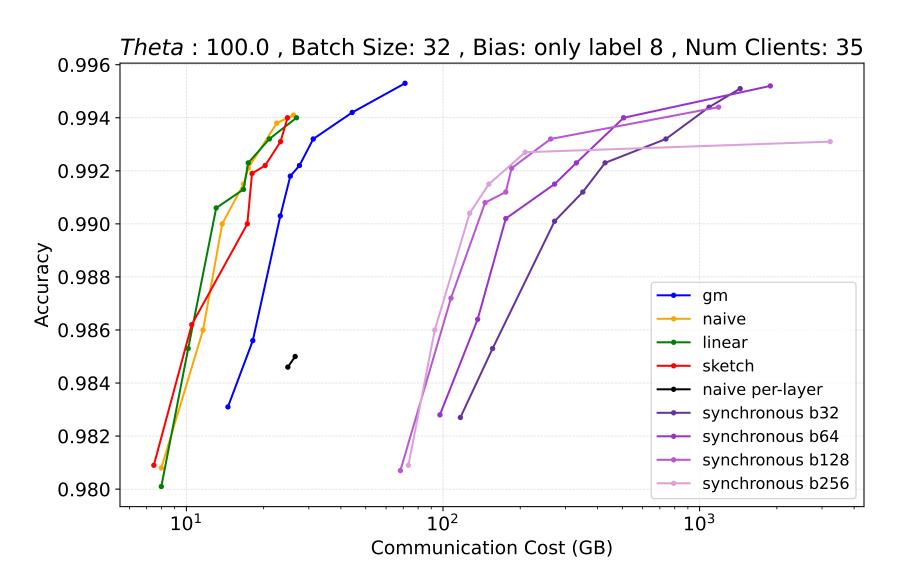
Theta: 100.0, Batch Size: 32, Bias: only label 8, Num Clients: 10 0.996 0.994 0.992 Accuracy 886.0 886.0 gm naive linear 0.986 sketch naive per-layer 0.984 synchronous b32 → synchronous b64 0.982 synchronous b128 synchronous b256 0.980 10² 10^{1} 10^3 Communication Cost (GB)







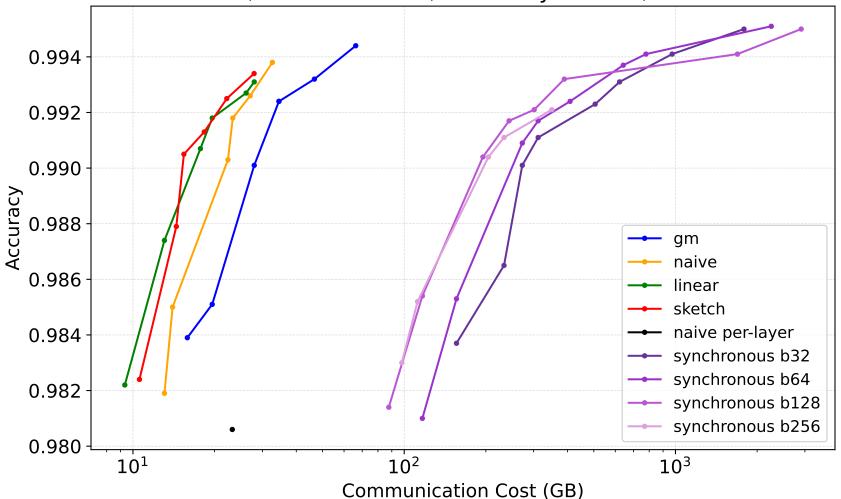


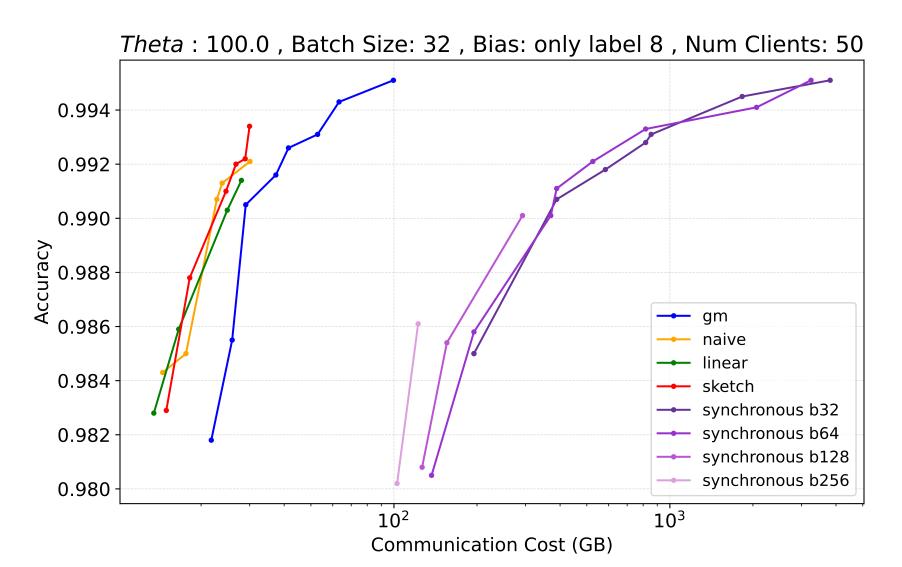


Theta: 100.0, Batch Size: 32, Bias: only label 8, Num Clients: 40 0.994 0.992 0.990 Accuracy 0.988 gm 0.986 naive linear 0.984 sketch → synchronous b32 0.982 → synchronous b64 synchronous b128 synchronous b256 0.980 10³ 10² 10^{1}

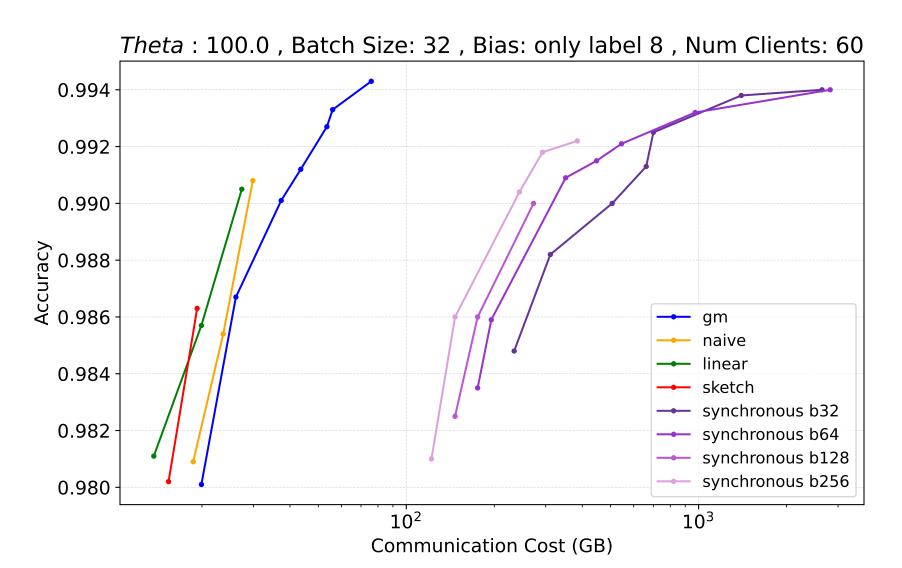
Communication Cost (GB)

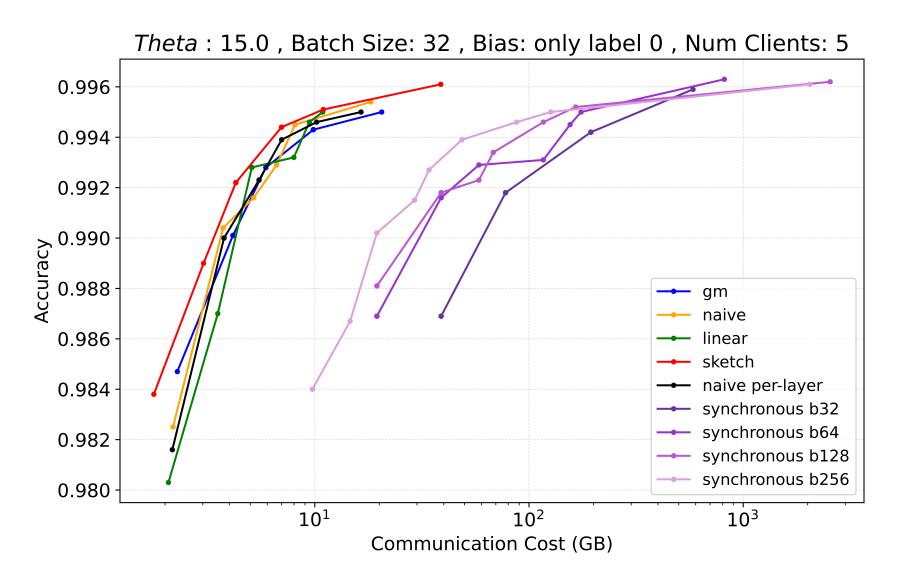
Theta: 100.0, Batch Size: 32, Bias: only label 8, Num Clients: 45

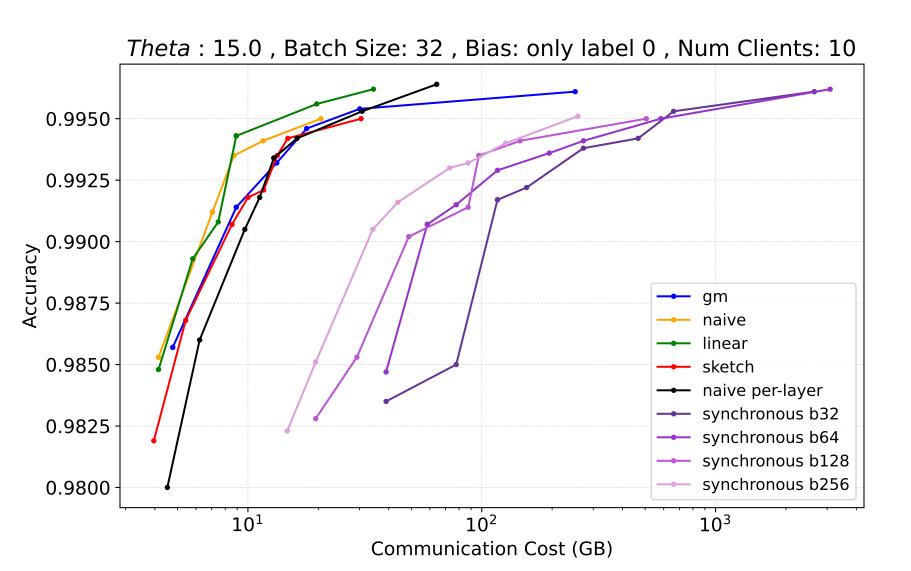


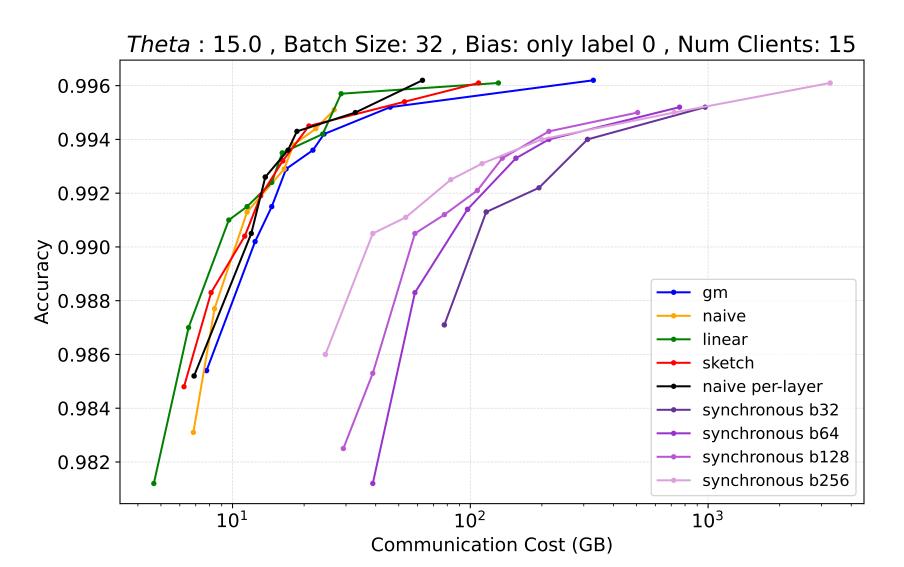


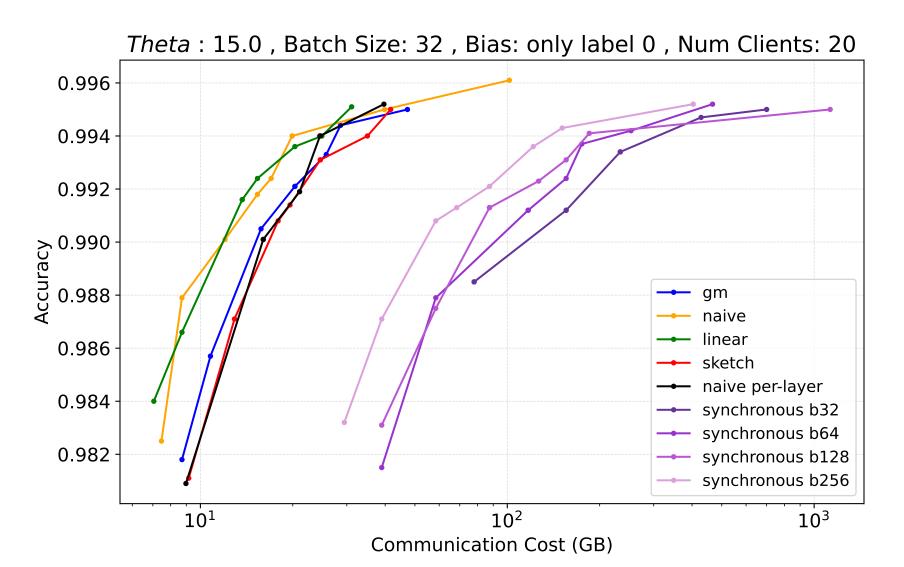


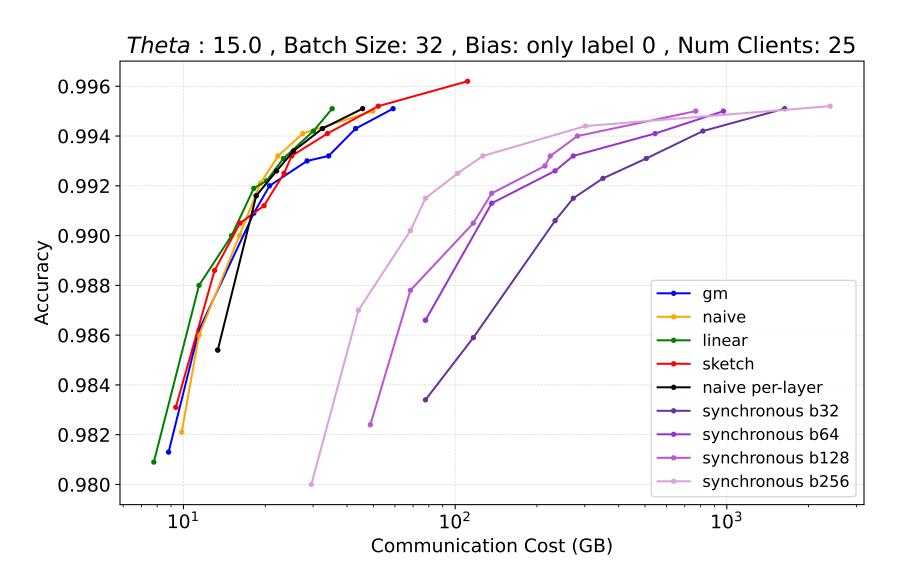


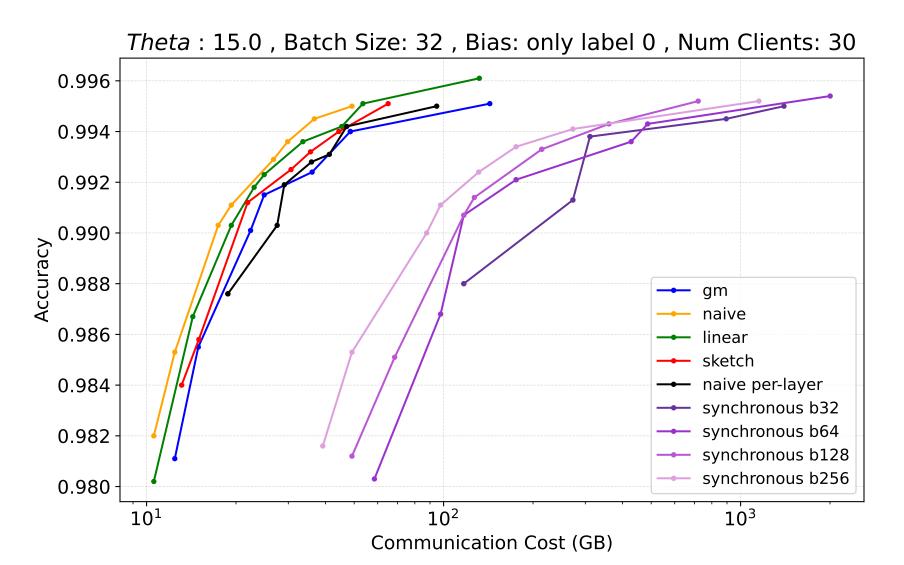








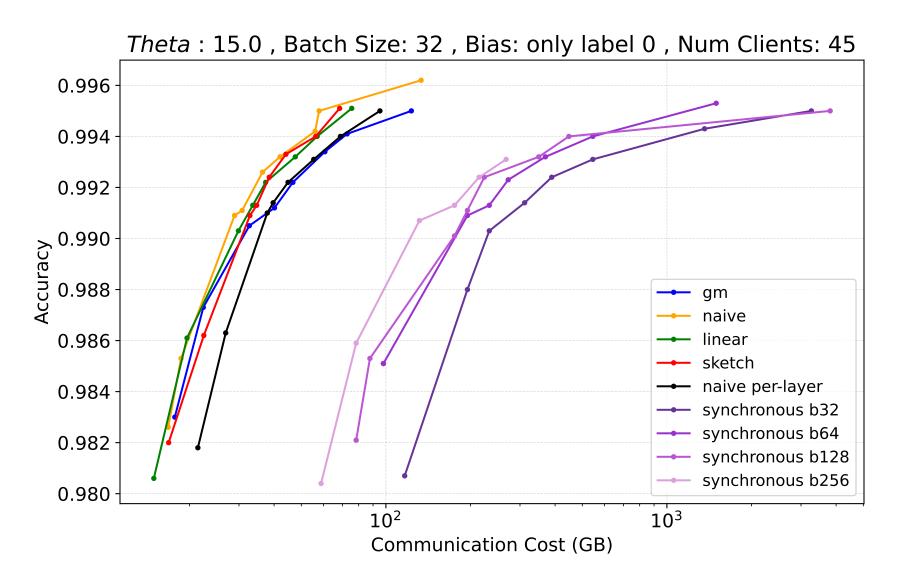


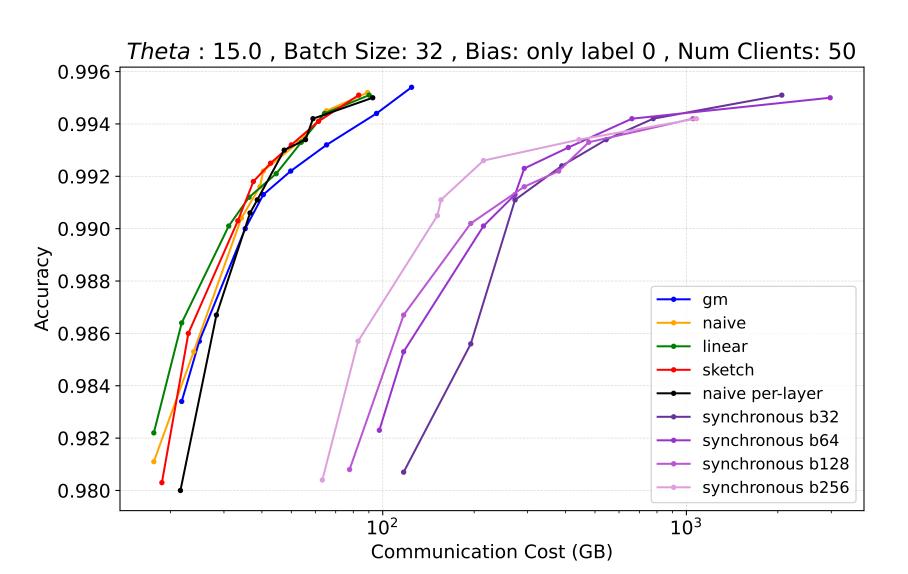


Theta: 15.0, Batch Size: 32, Bias: only label 0, Num Clients: 35 0.996 0.994 0.992 Accuracy 0.0 ر.0 gm naive 0.986 linear sketch 0.984 naive per-layer synchronous b32 synchronous b64 0.982 synchronous b128 synchronous b256 0.980 10^{1} 10² 10³ Communication Cost (GB)

Theta: 15.0, Batch Size: 32, Bias: only label 0, Num Clients: 40 0.994 0.992 0.990 Accuracy 0.988 gm naive 0.986 linear sketch 0.984 naive per-layer → synchronous b32 0.982 → synchronous b64 → synchronous b128 synchronous b256 0.980 10² 10^3

Communication Cost (GB)





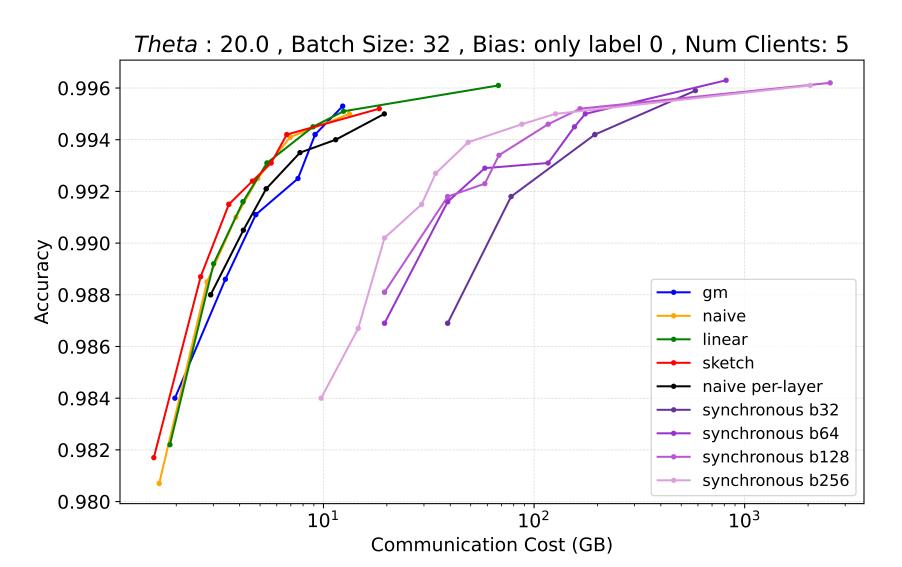
Theta: 15.0, Batch Size: 32, Bias: only label 0, Num Clients: 55 0.994 0.9920.990 Accuracy 0.988 gm naive 0.986 linear sketch 0.984 naive per-layer → synchronous b32 → synchronous b64 0.982 synchronous b128 synchronous b256 0.980

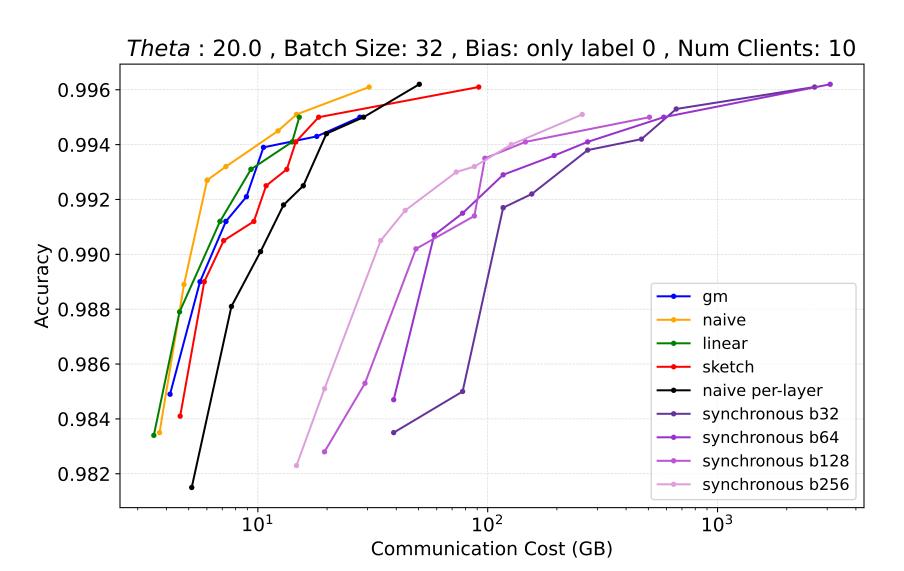
10²

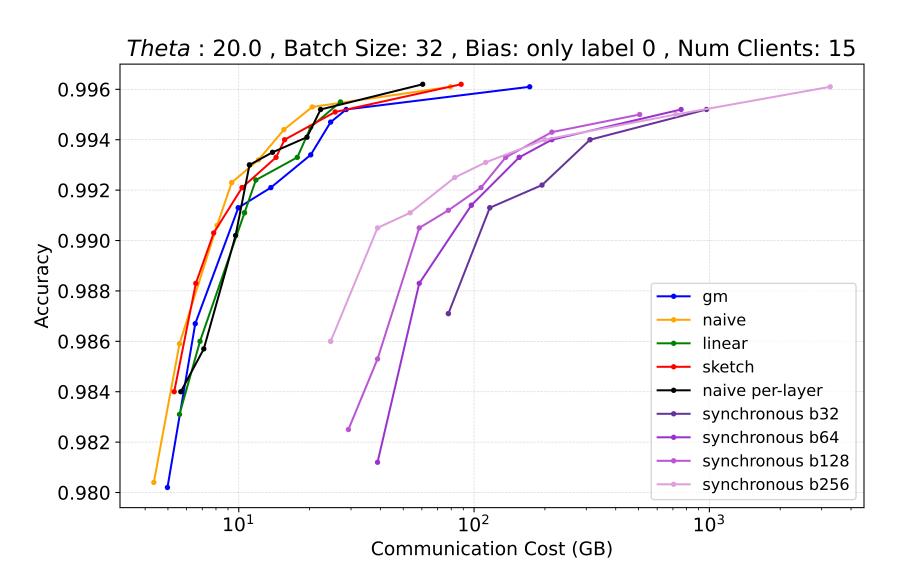
Communication Cost (GB)

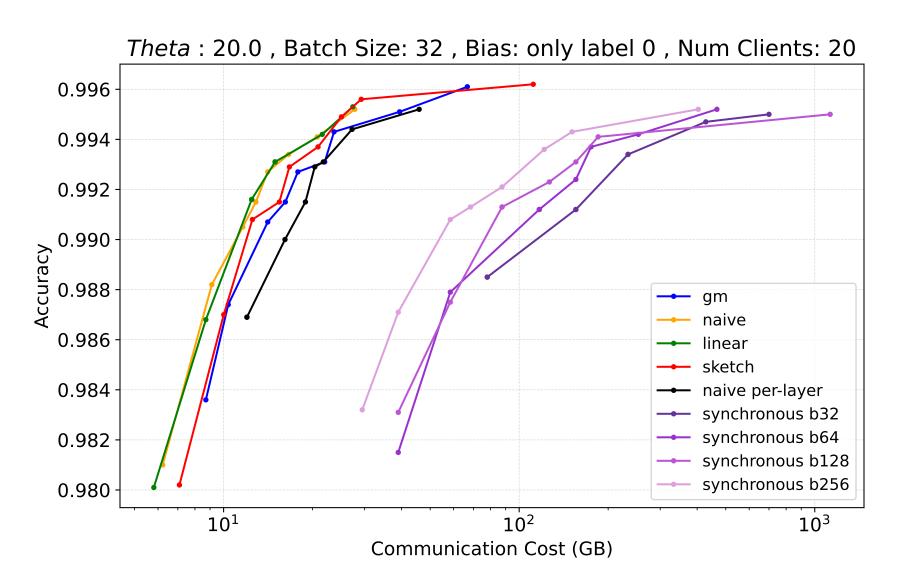
10³

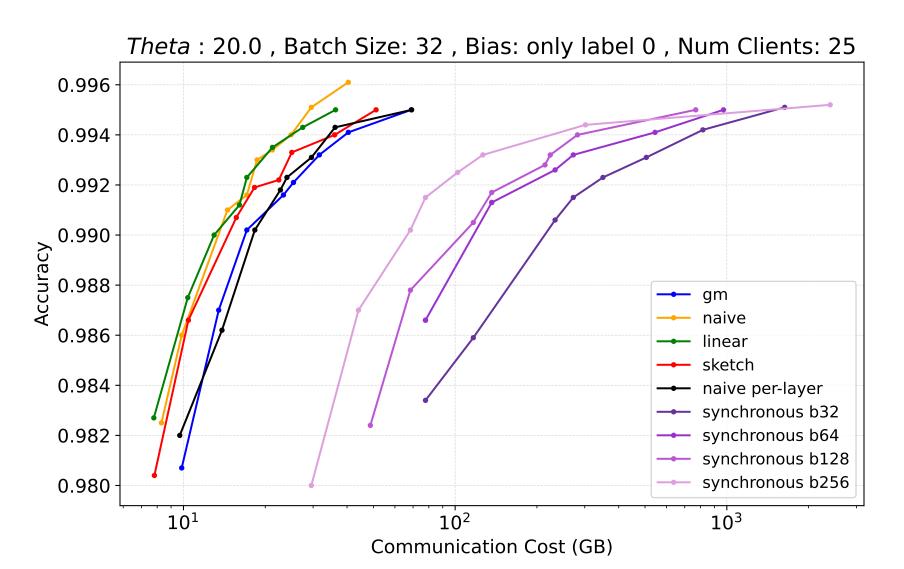
Theta: 15.0, Batch Size: 32, Bias: only label 0, Num Clients: 60 0.994 0.992 0.990 Accuracy 0.988 gm naive 0.986 linear sketch 0.984 naive per-layer synchronous b32 0.982 synchronous b64 synchronous b128 synchronous b256 0.980 10² 10³ Communication Cost (GB)

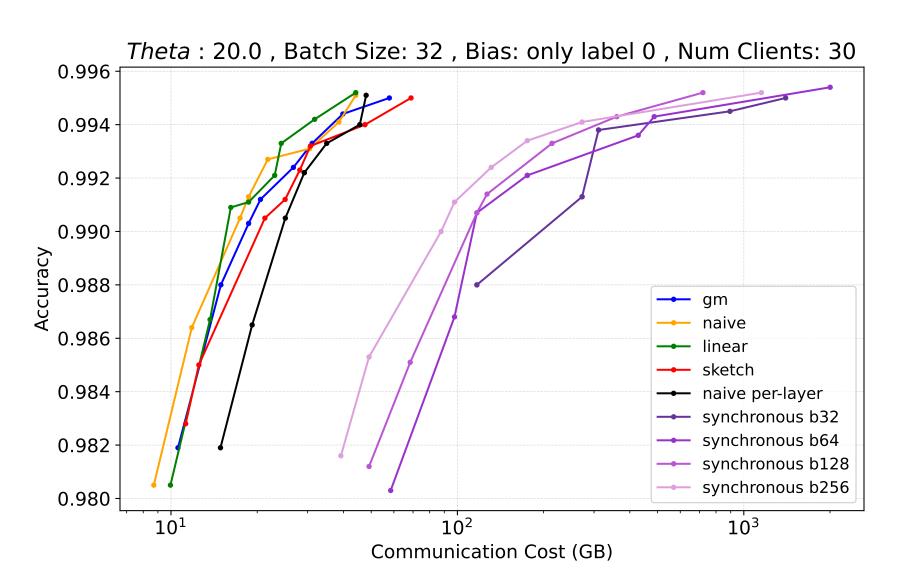


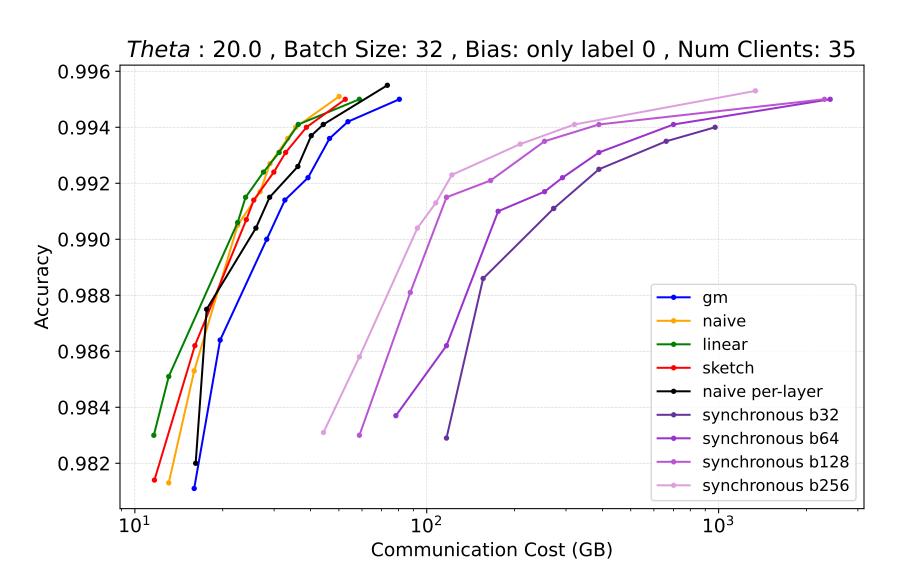


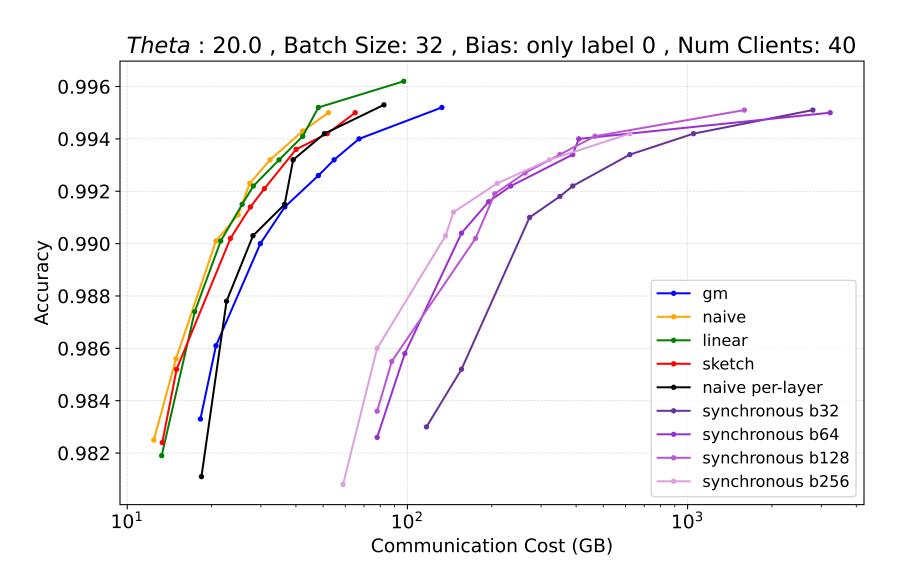


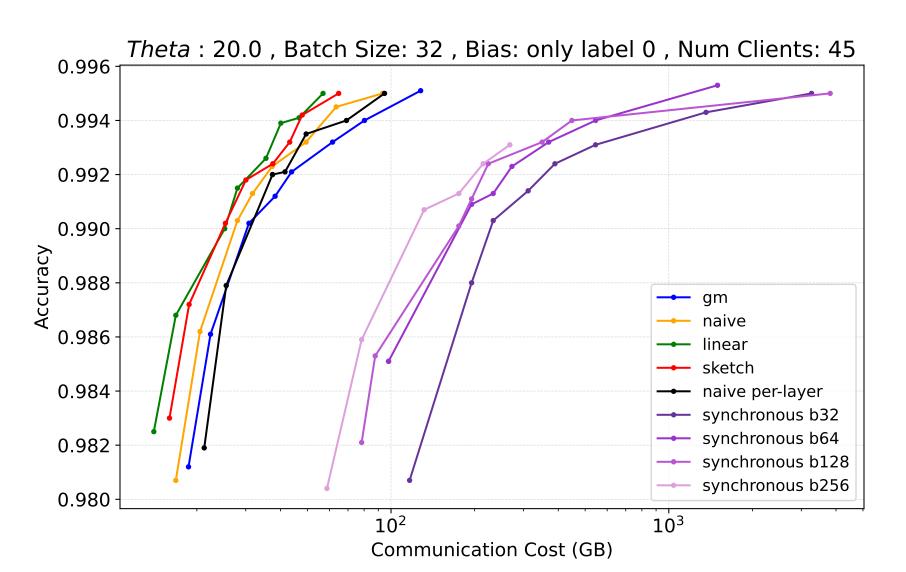








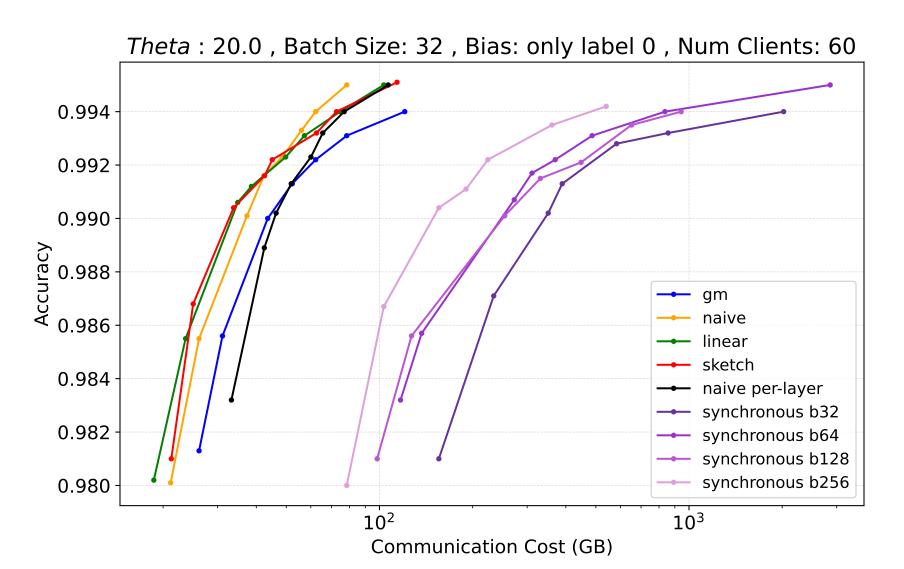


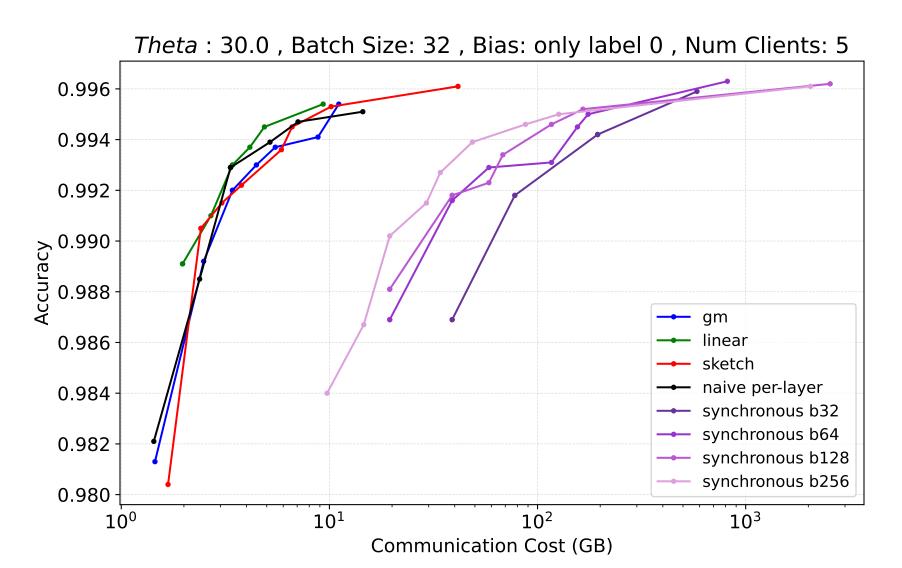


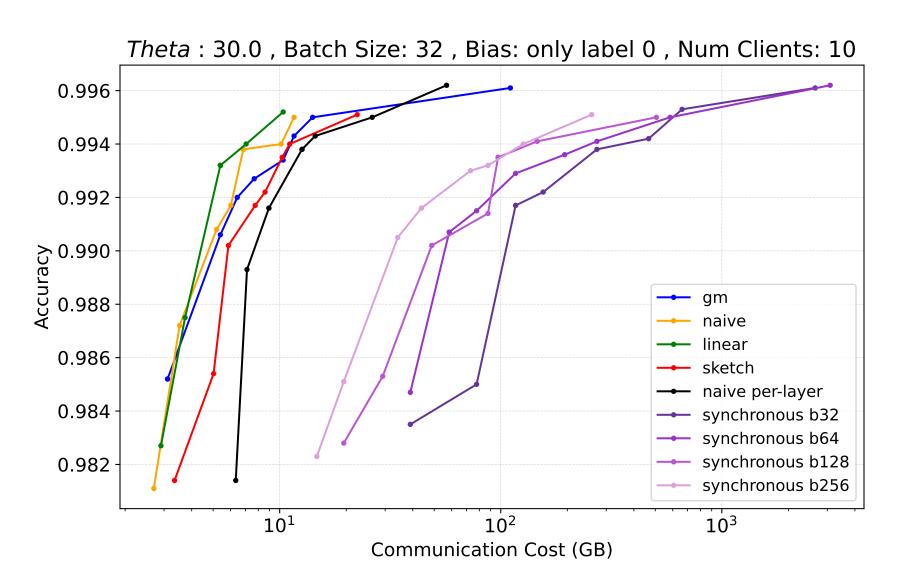
Theta: 20.0, Batch Size: 32, Bias: only label 0, Num Clients: 50 0.994 0.992 0.990 Accuracy 0.988 gm naive 0.986 linear sketch 0.984 naive per-layer synchronous b32 → synchronous b64 0.982 synchronous b128 synchronous b256 0.980 10² 10³

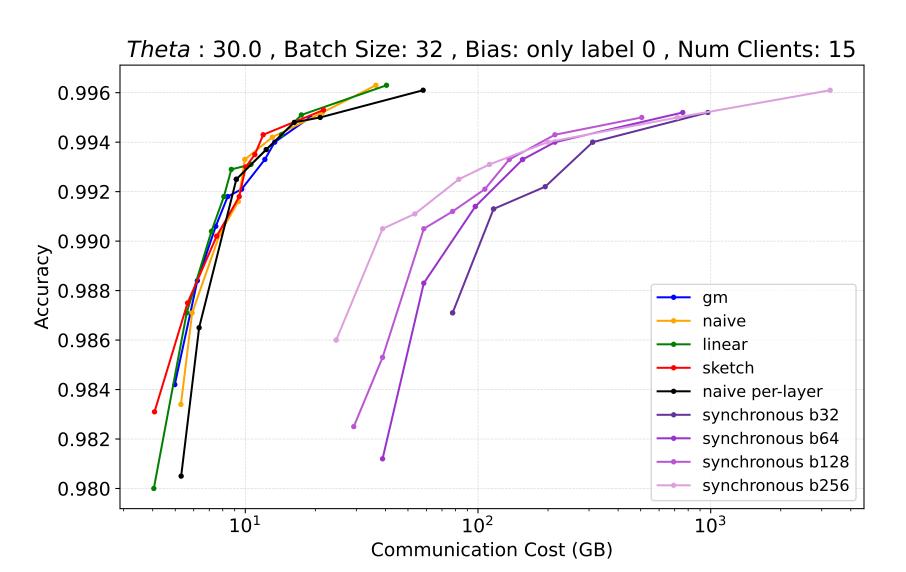
Communication Cost (GB)

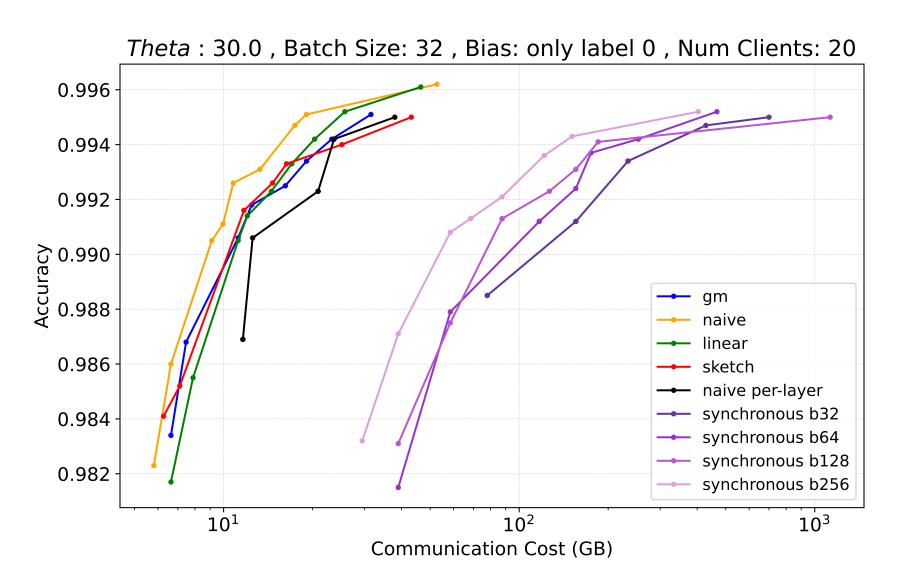
Theta: 20.0, Batch Size: 32, Bias: only label 0, Num Clients: 55 0.994 0.992 0.990 Accuracy 0.988 gm naive 0.986 linear sketch 0.984 naive per-layer synchronous b32 0.982 → synchronous b64 synchronous b128 synchronous b256 0.980 10² 10^{3} Communication Cost (GB)

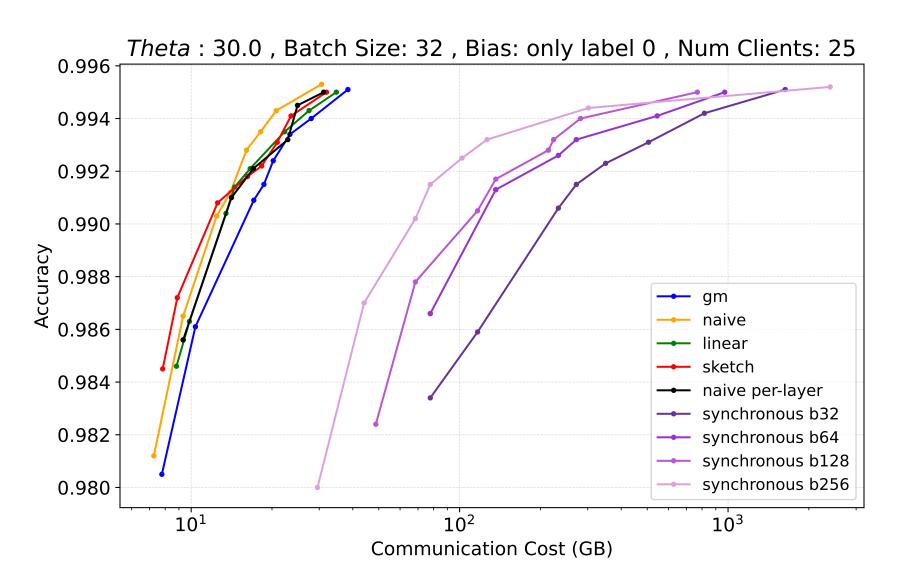


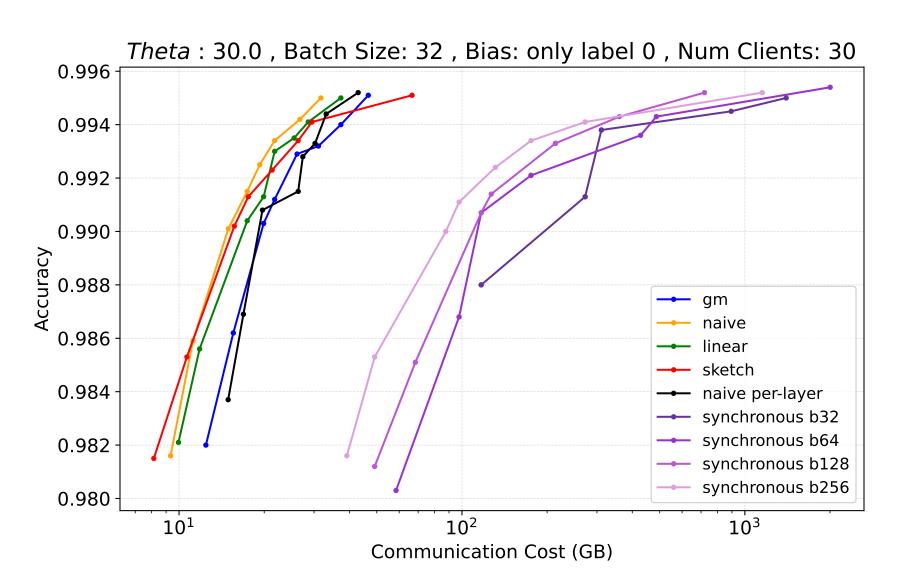


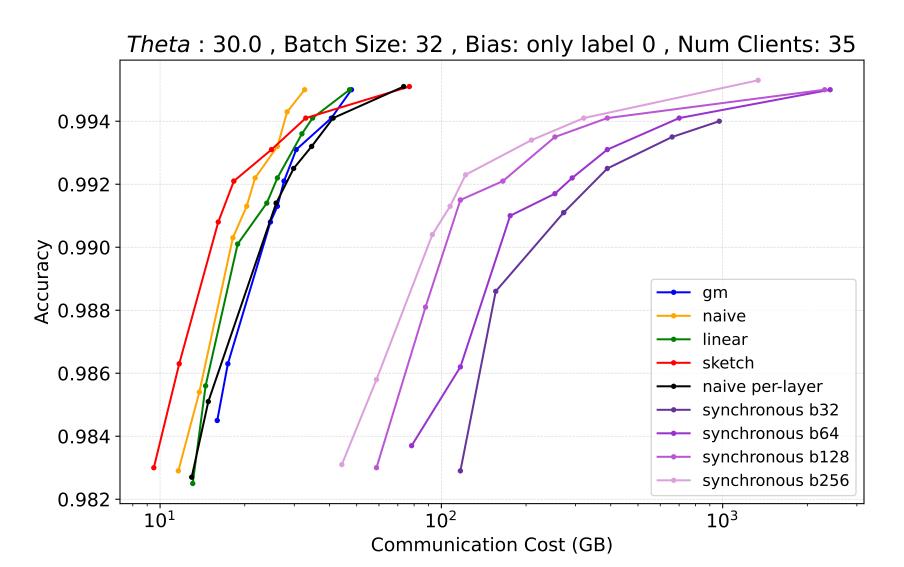


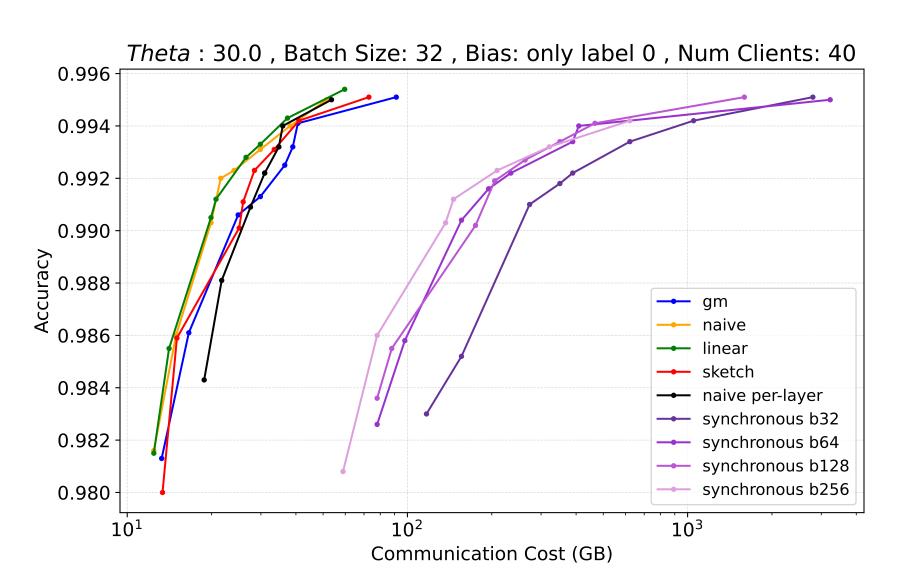


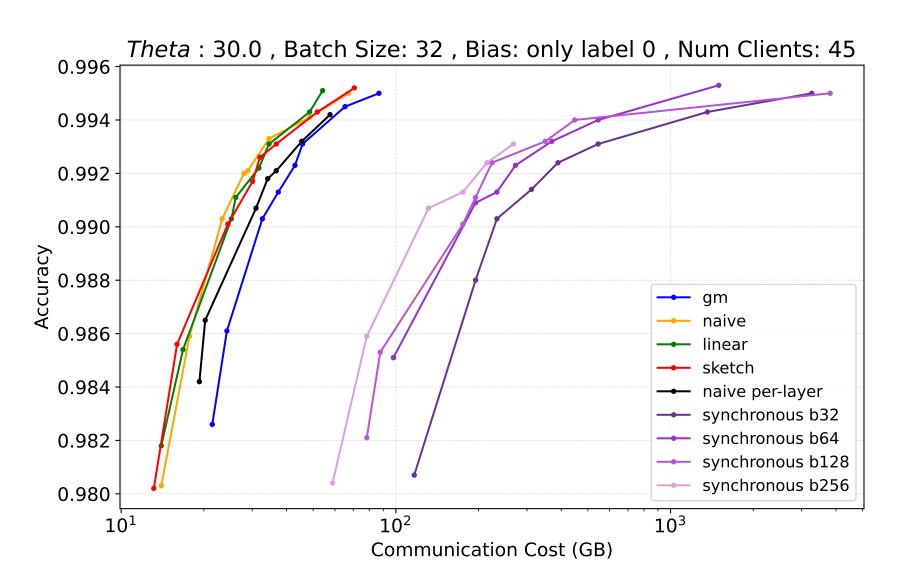


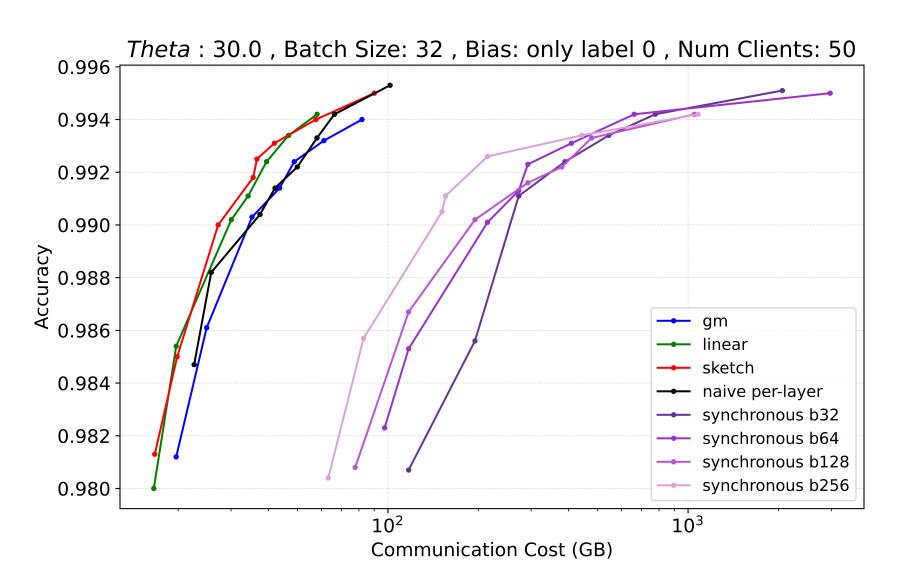




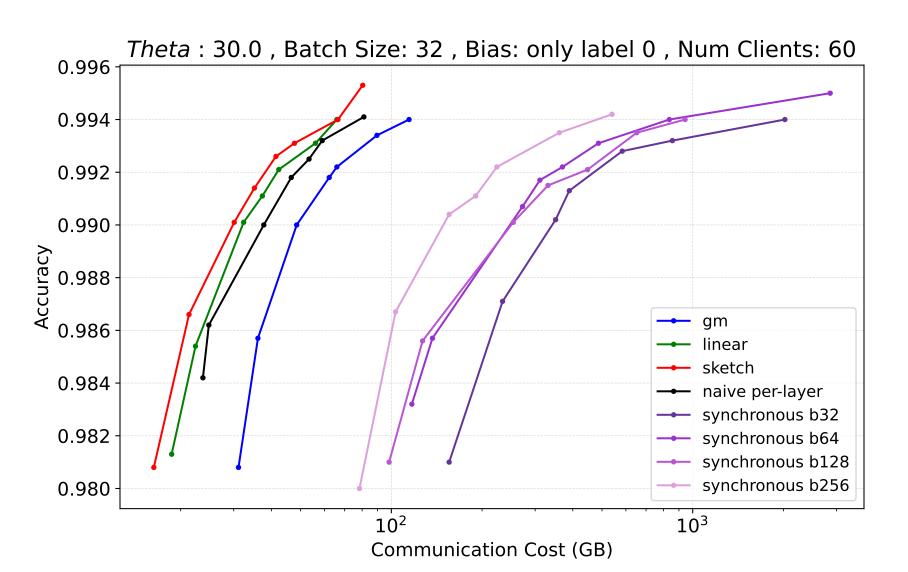


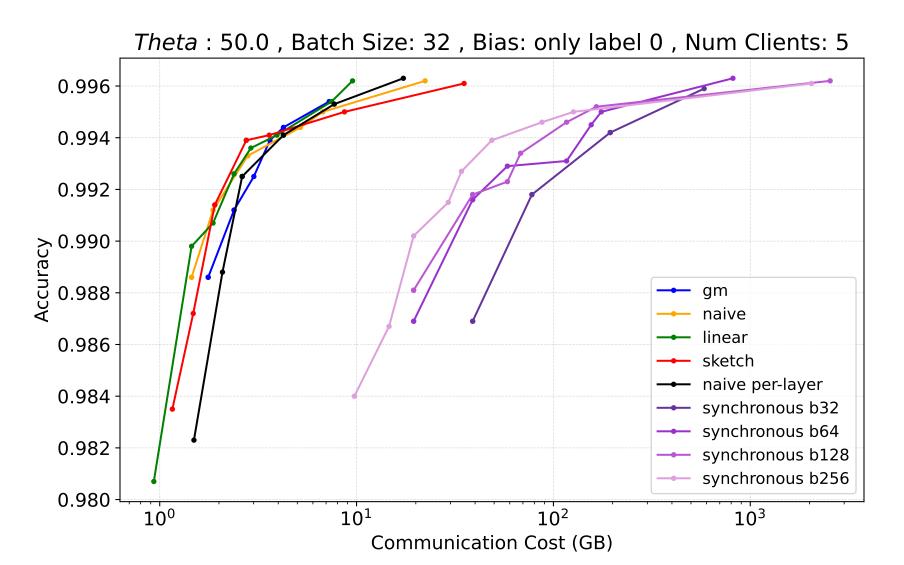


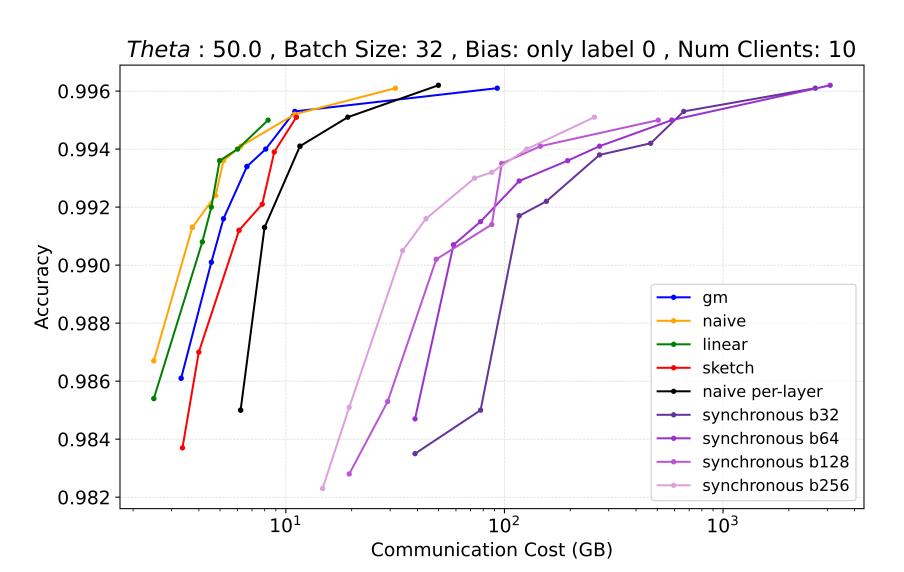


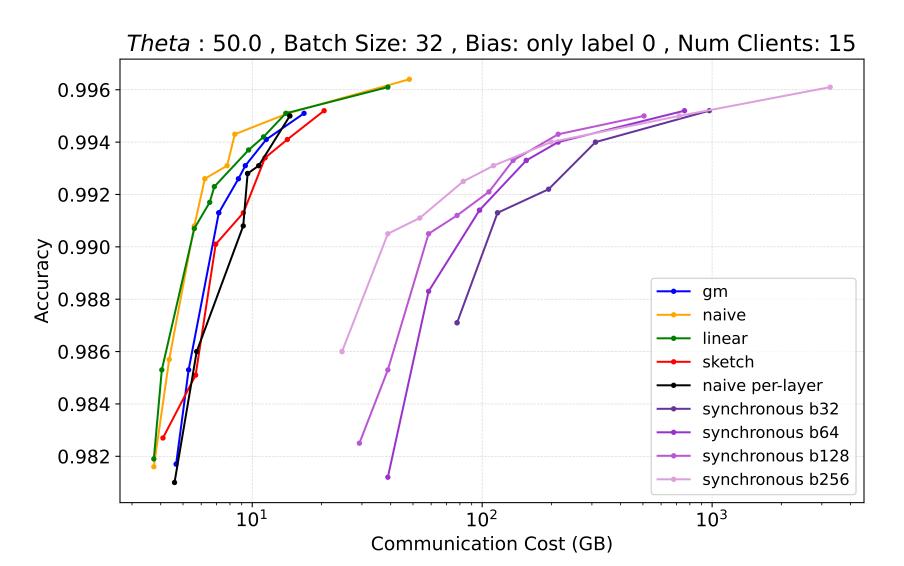


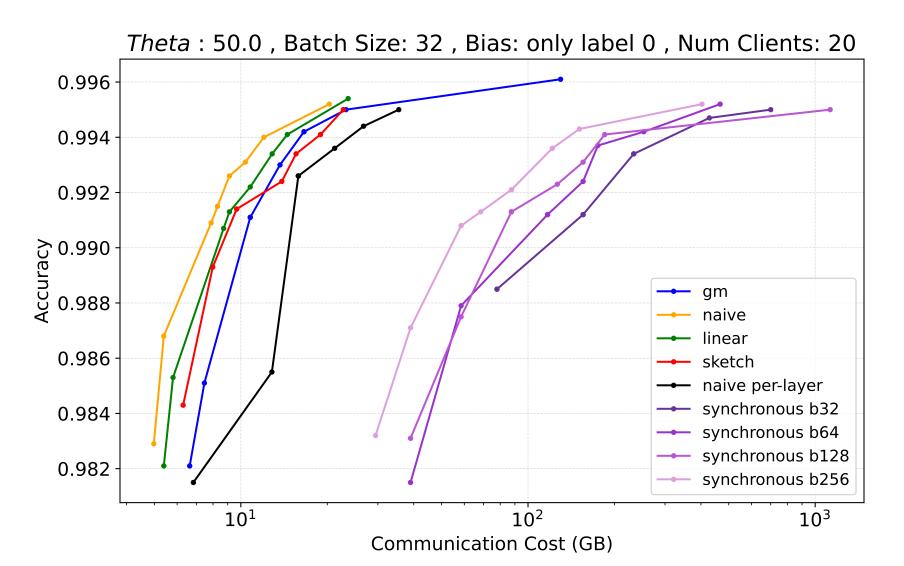
Theta: 30.0, Batch Size: 32, Bias: only label 0, Num Clients: 55 0.994 0.992 0.990 Accuracy 0.988 gm naive 0.986 linear sketch 0.984 naive per-layer synchronous b32 0.982 → synchronous b64 synchronous b128 synchronous b256 0.980 10² 10³ Communication Cost (GB)

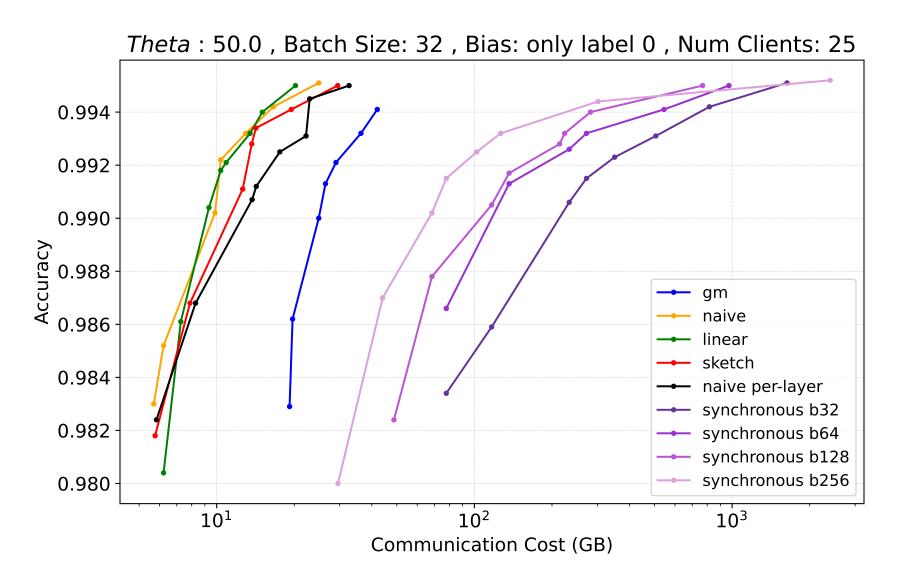


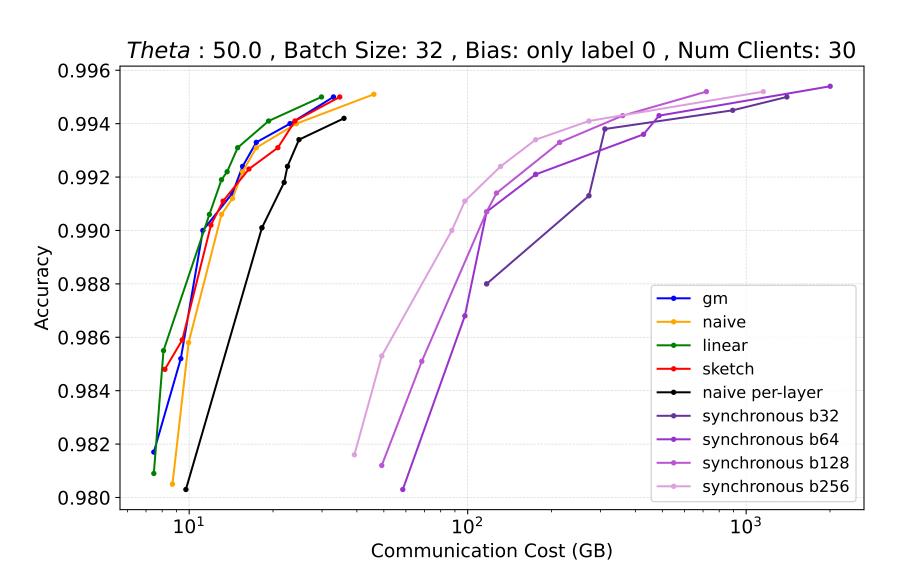


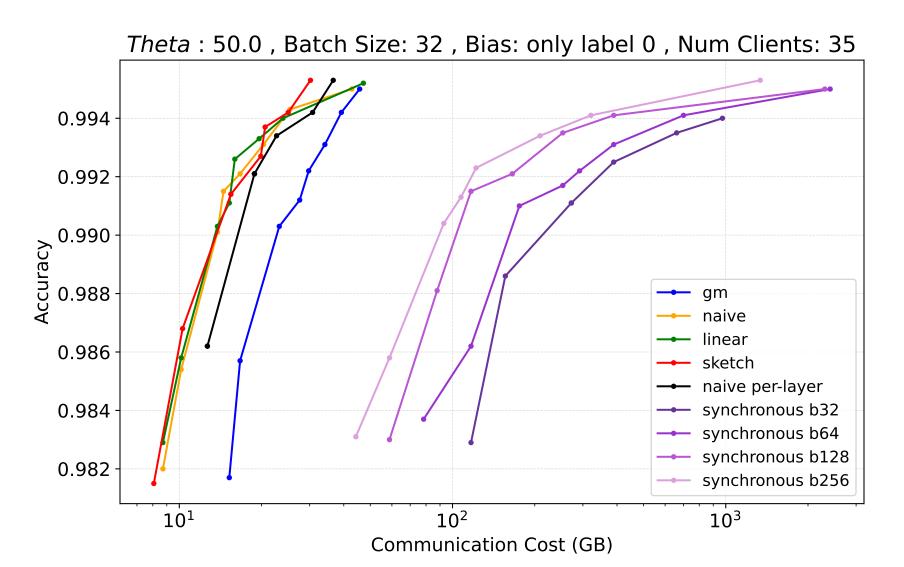


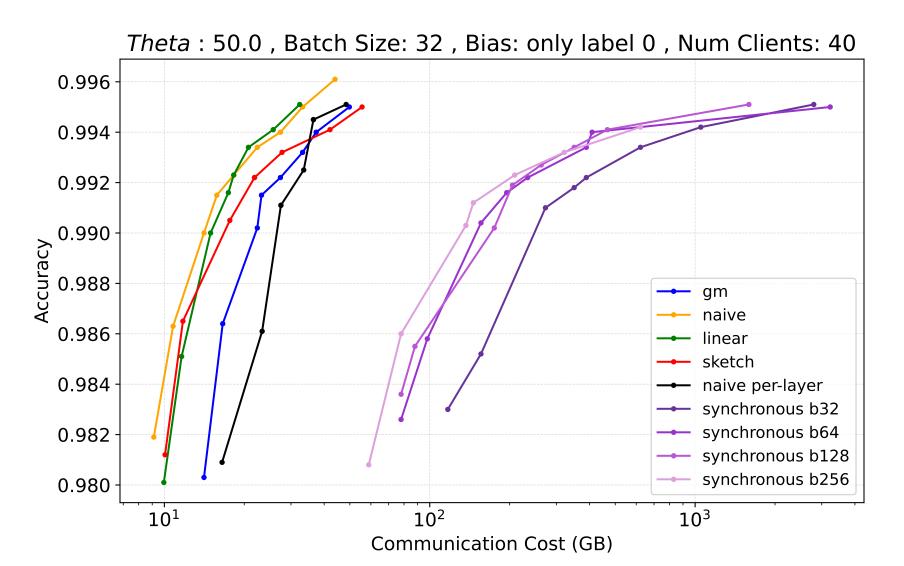


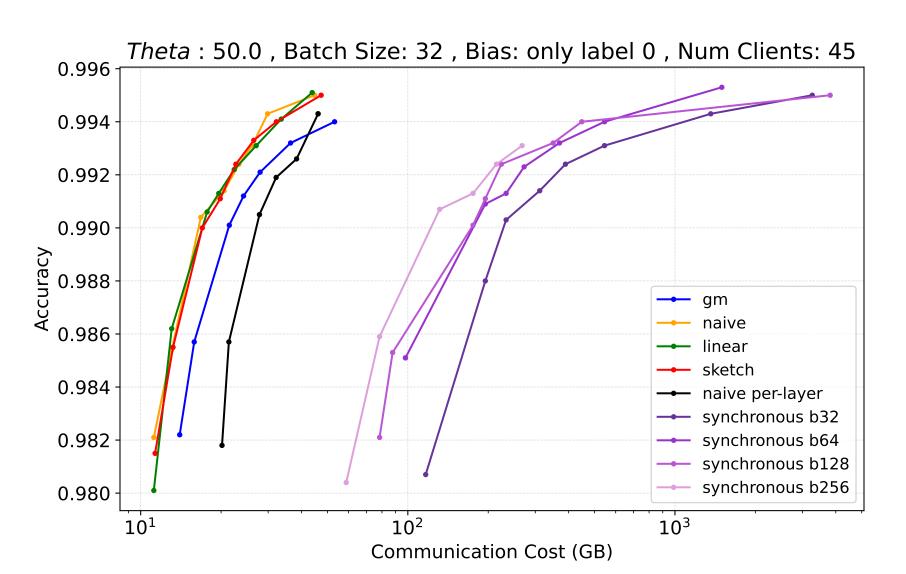




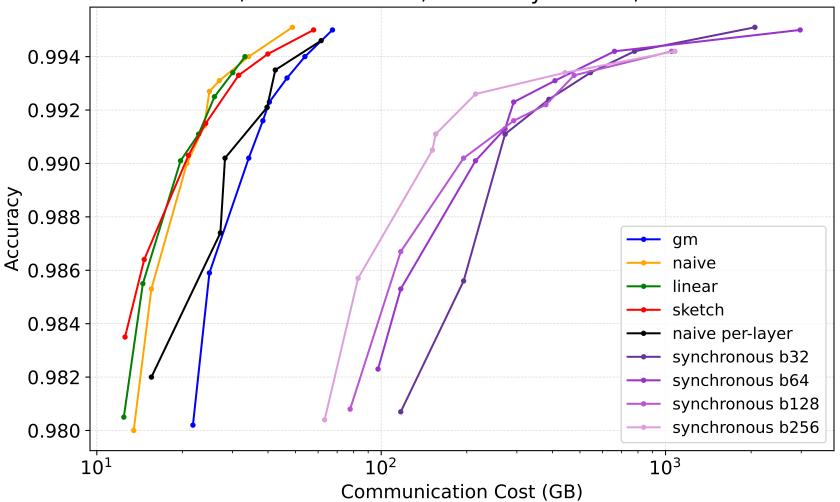


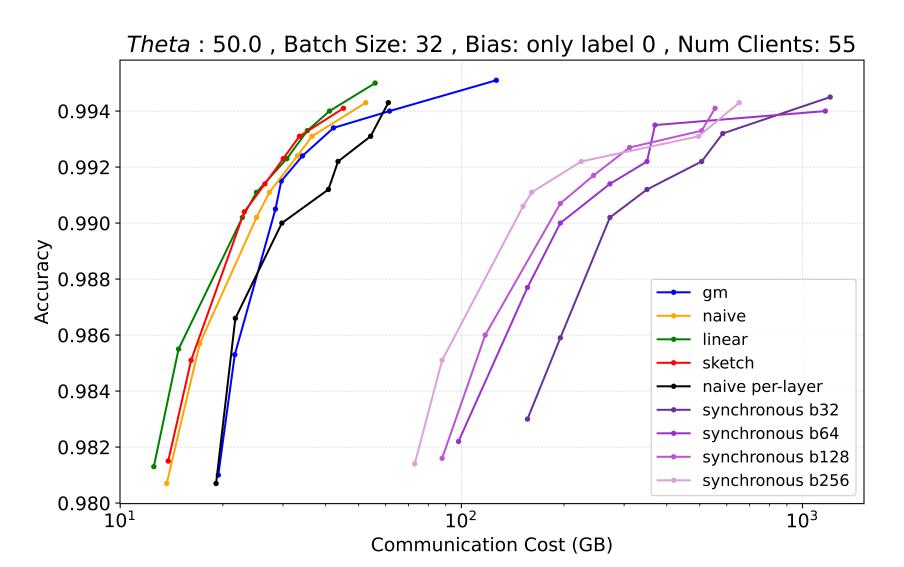


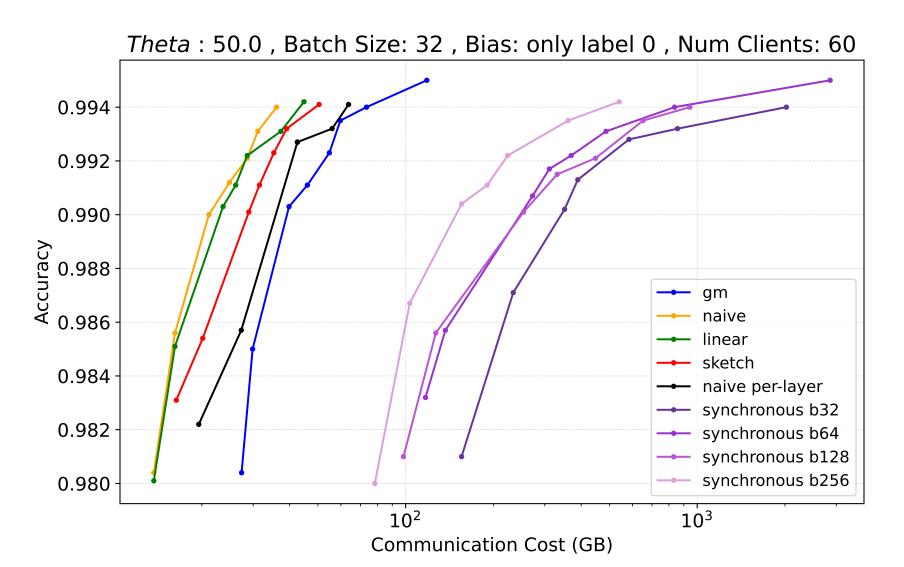


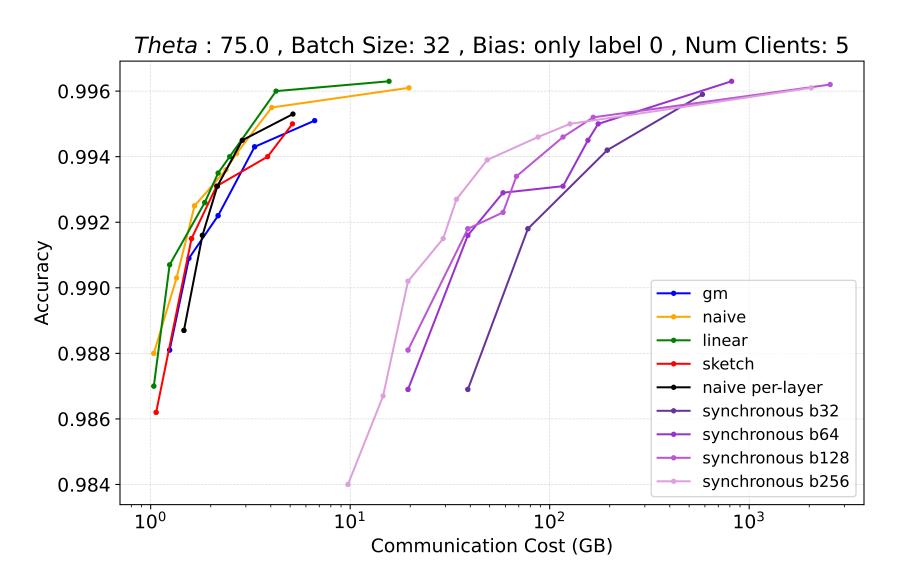


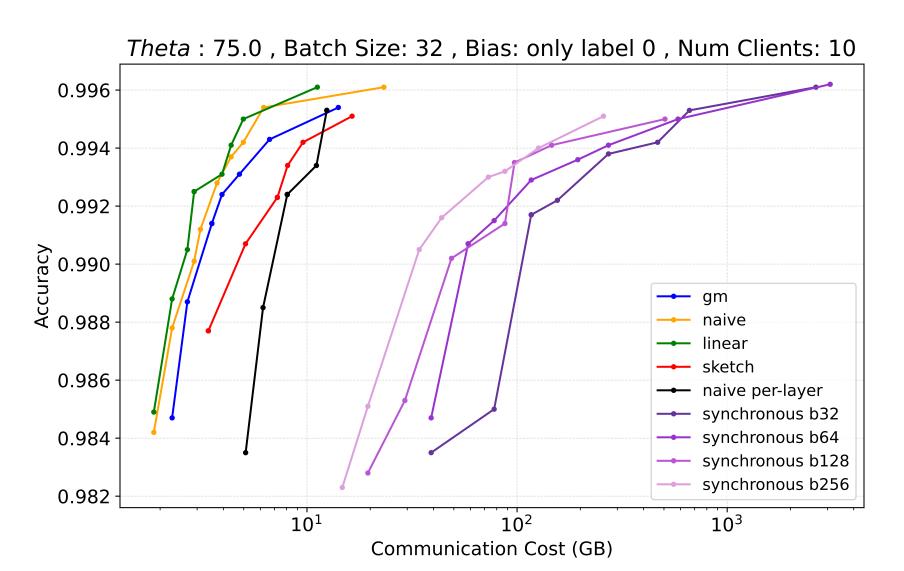
Theta: 50.0, Batch Size: 32, Bias: only label 0, Num Clients: 50

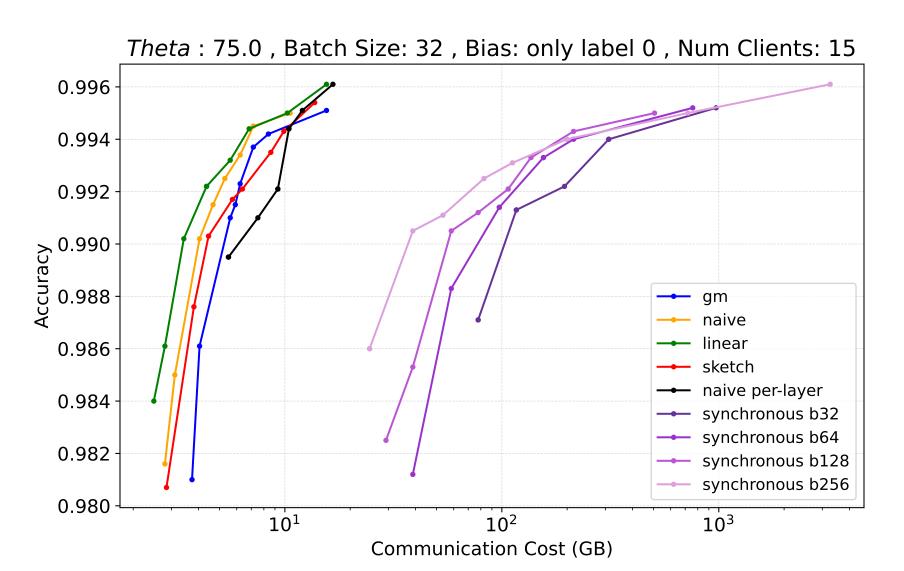


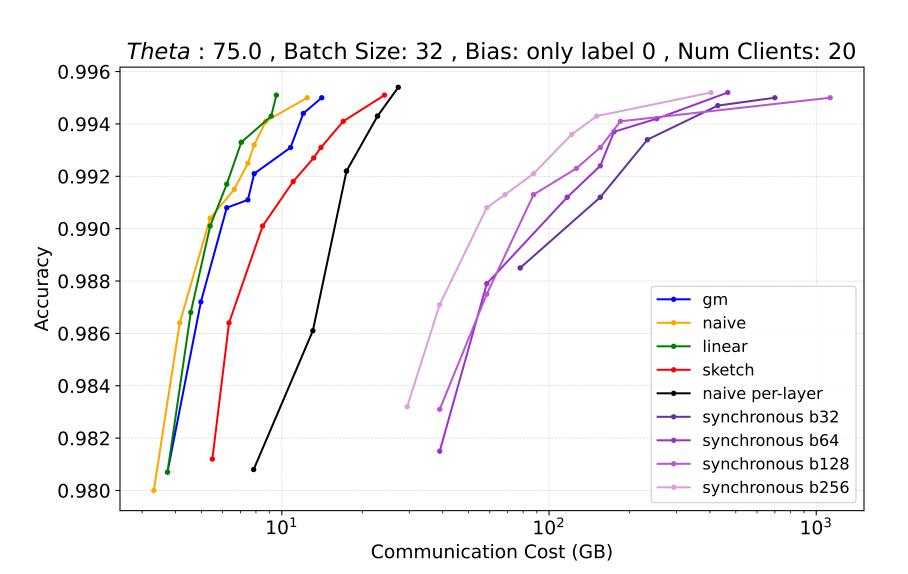


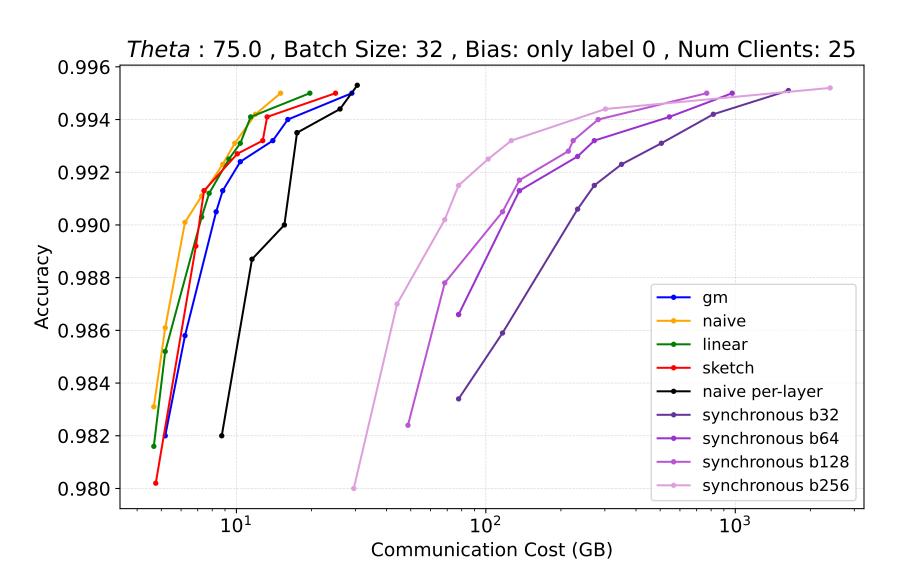


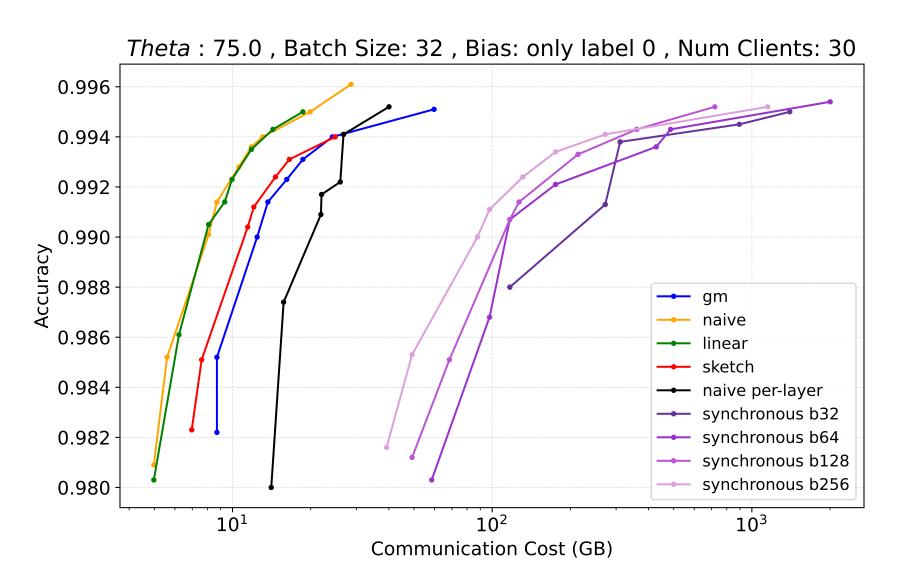


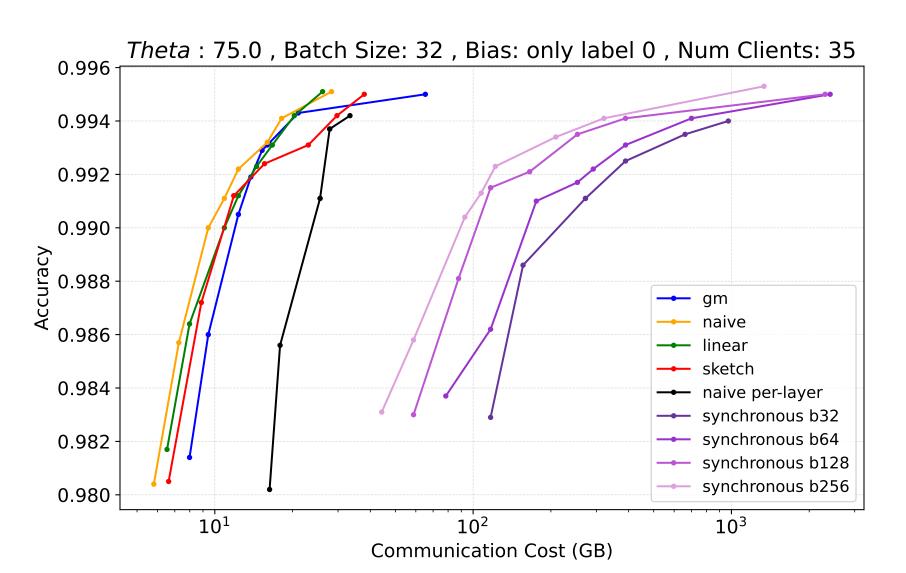


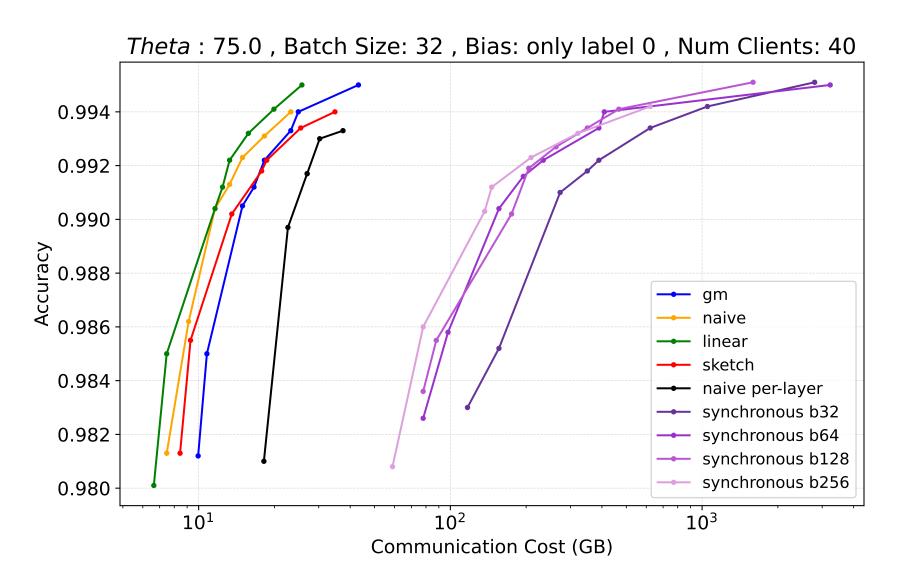


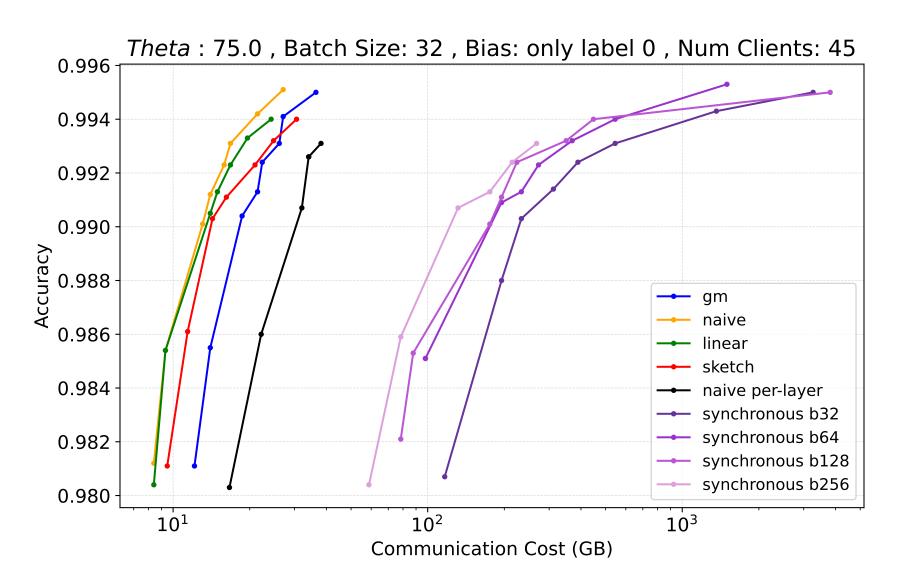


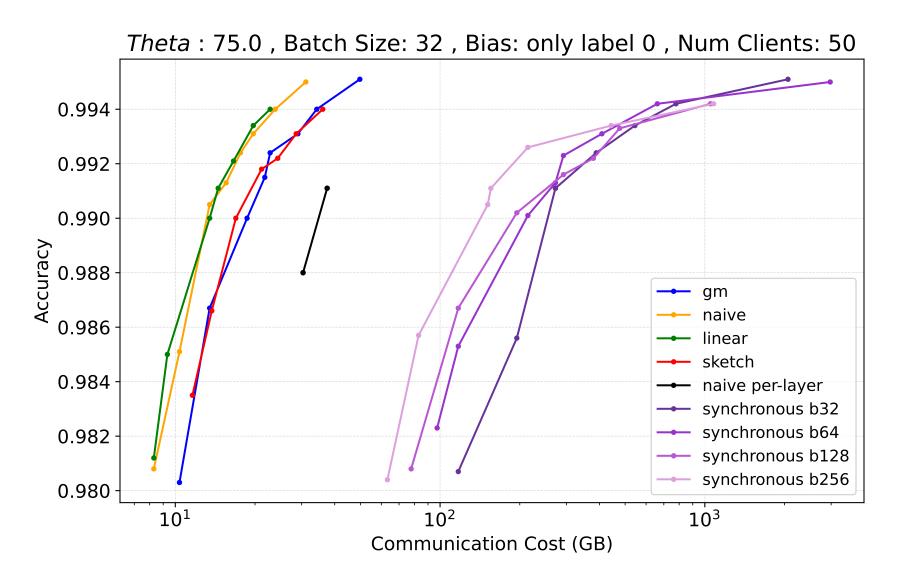




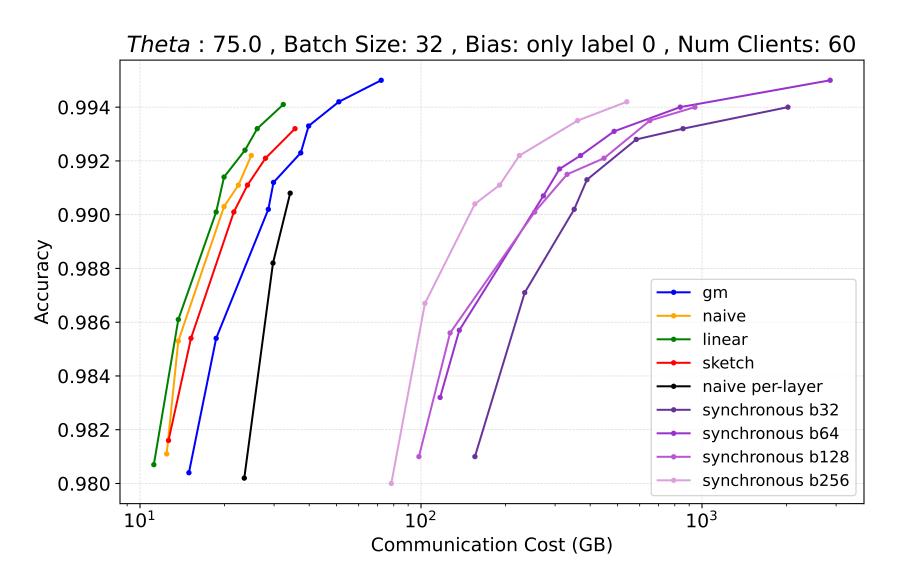


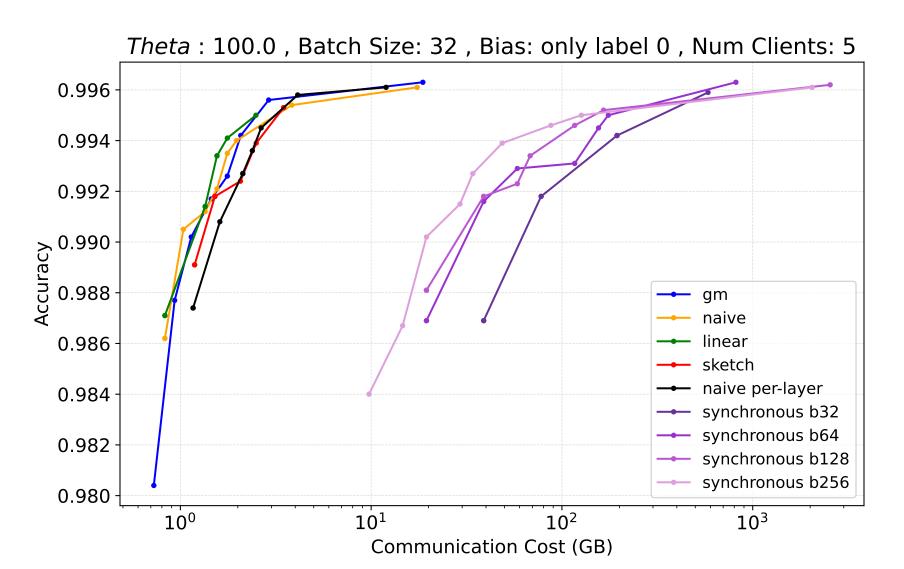


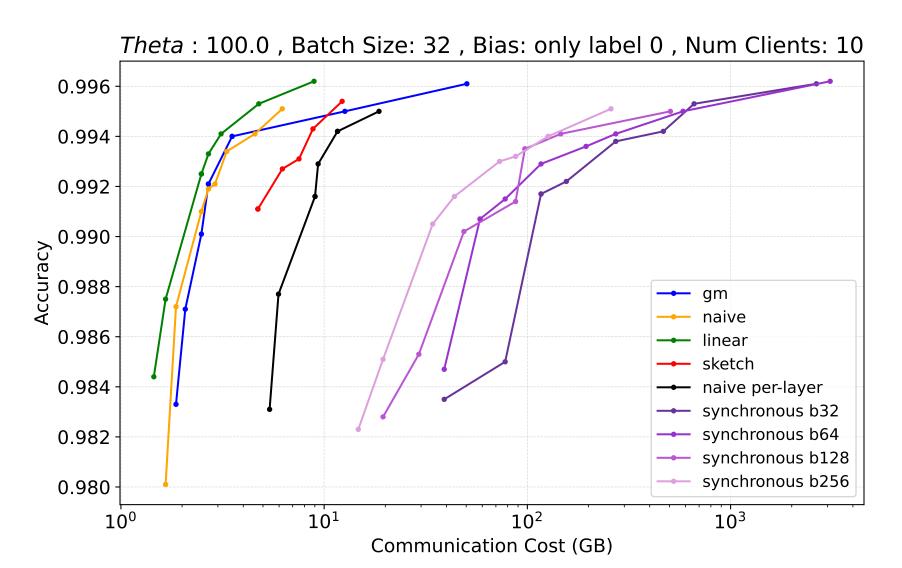


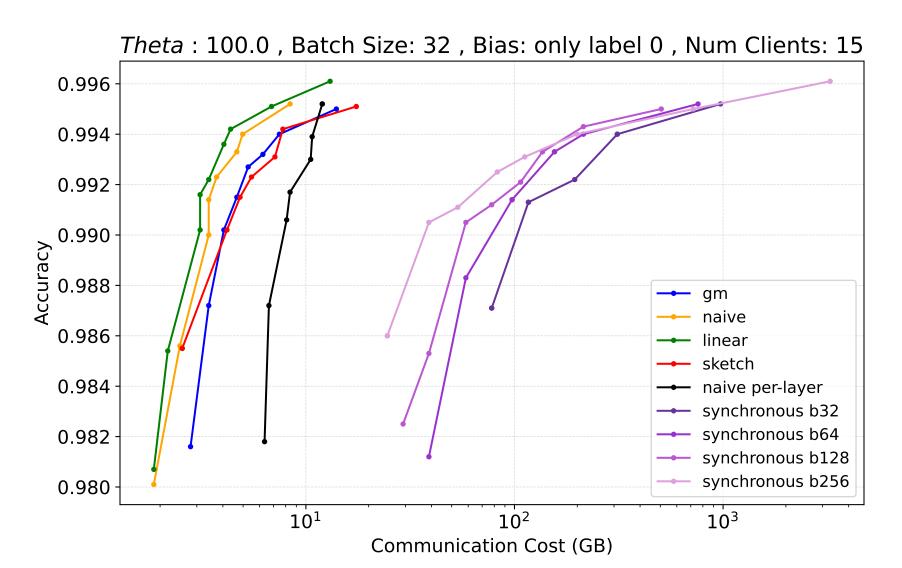






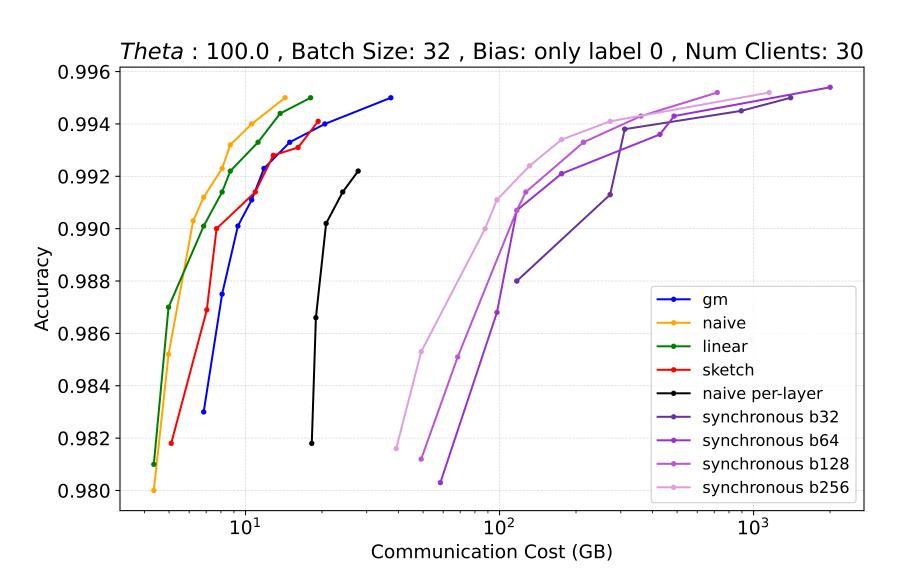


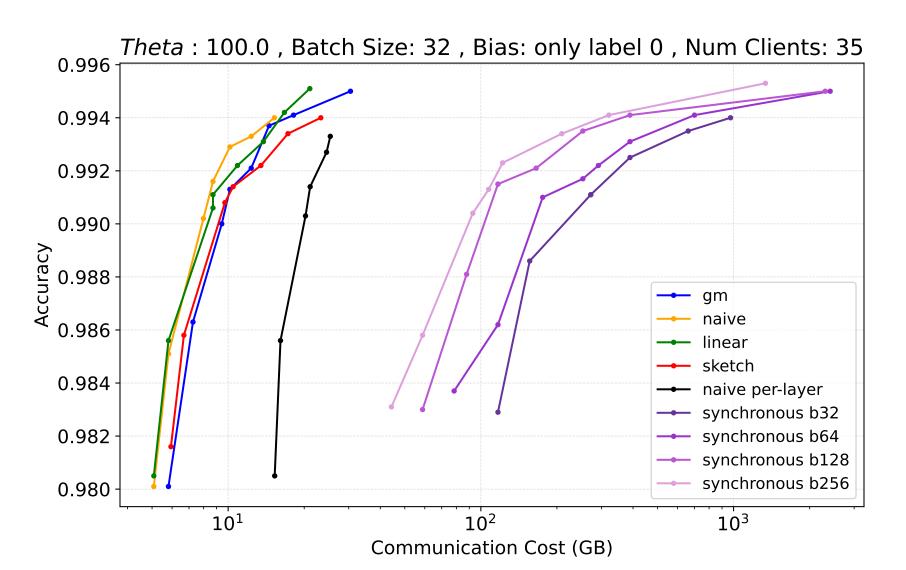




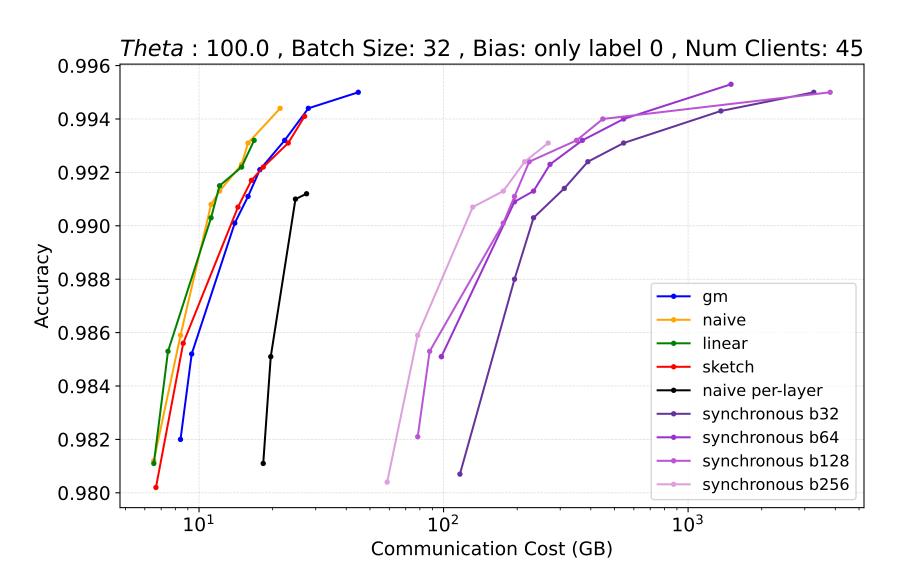
Theta: 100.0, Batch Size: 32, Bias: only label 0, Num Clients: 20 0.994 0.992 0.990 Accuracy 0.988 gm naive 0.986 linear sketch naive per-layer 0.984synchronous b32 → synchronous b64 0.982 synchronous b128 synchronous b256 0.980 10³ 10² 10¹ Communication Cost (GB)

Theta: 100.0, Batch Size: 32, Bias: only label 0, Num Clients: 25 0.994 0.992 0.990 Accuracy 0.988 gm naive 0.986 linear sketch 0.984 naive per-layer → synchronous b32 0.982 → synchronous b64 synchronous b128 synchronous b256 0.980 10^{1} 10² 10³



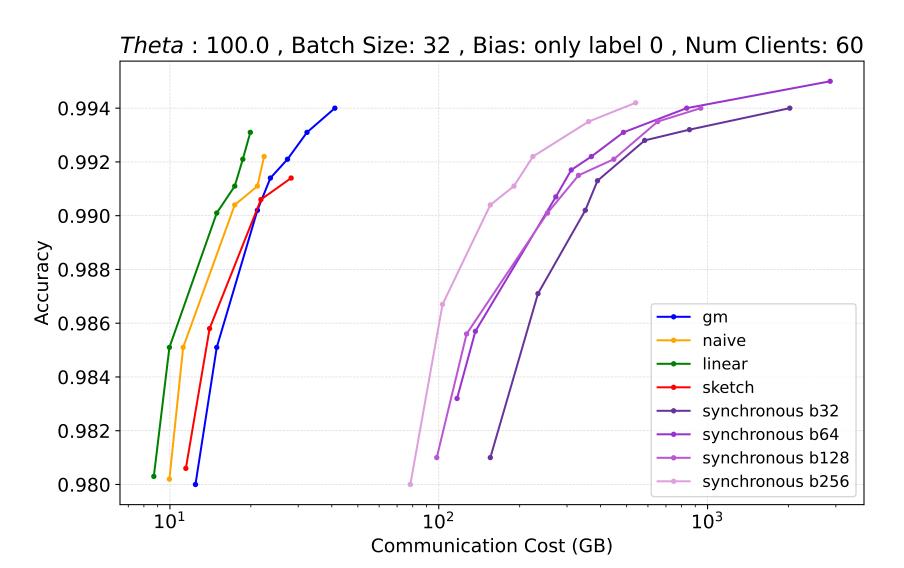


Theta: 100.0, Batch Size: 32, Bias: only label 0, Num Clients: 40 0.994 0.9920.990 Accuracy 0.988 gm naive 0.986 linear sketch 0.984 naive per-layer synchronous b32 0.982 → synchronous b64 synchronous b128 synchronous b256 0.980 10³ 10² 10^{1} Communication Cost (GB)

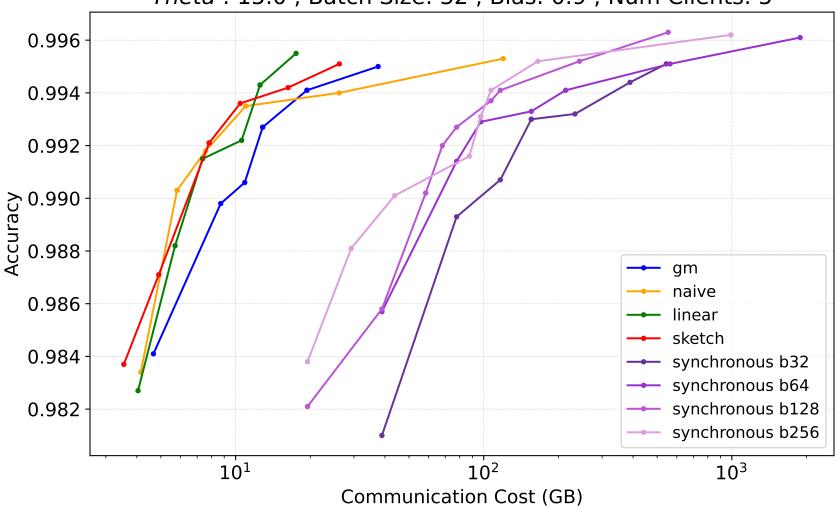


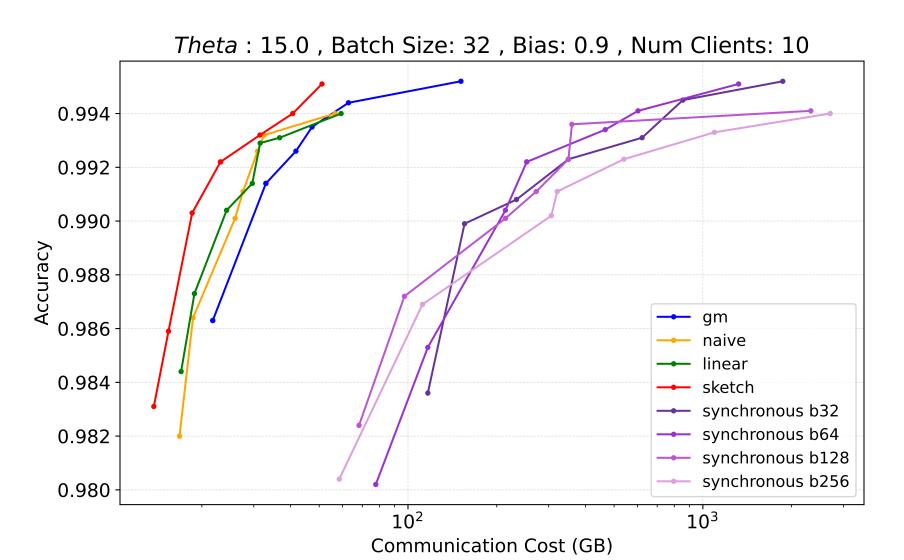
Theta: 100.0, Batch Size: 32, Bias: only label 0, Num Clients: 50 0.994 0.992 0.990 Accuracy 0.988 gm naive 0.986 linear sketch 0.984 naive per-layer synchronous b32 synchronous b64 0.982 synchronous b128 synchronous b256 0.980 10^{1} 10² 10³ Communication Cost (GB)

Theta: 100.0, Batch Size: 32, Bias: only label 0, Num Clients: 55 0.994 0.992 0.990 Accuracy 986.0 gm naive linear sketch 0.984 naive per-layer synchronous b32 0.982 → synchronous b64 synchronous b128 synchronous b256 0.980 10^{1} 10² 10³

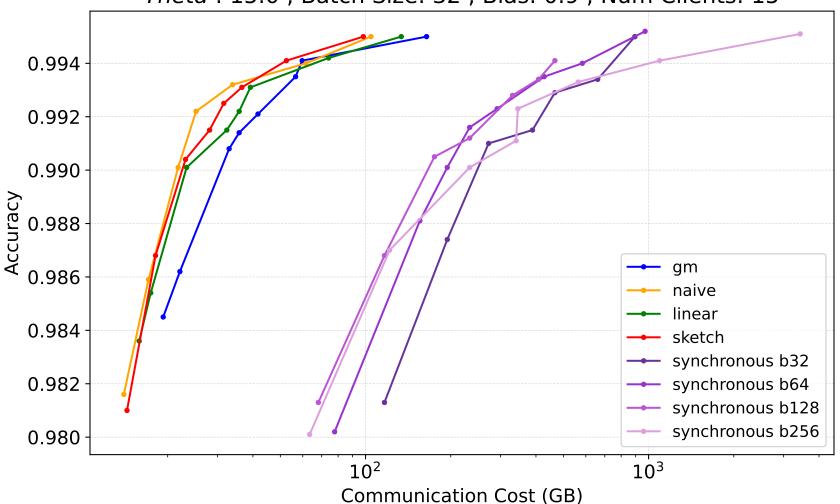


Theta: 15.0, Batch Size: 32, Bias: 0.9, Num Clients: 5

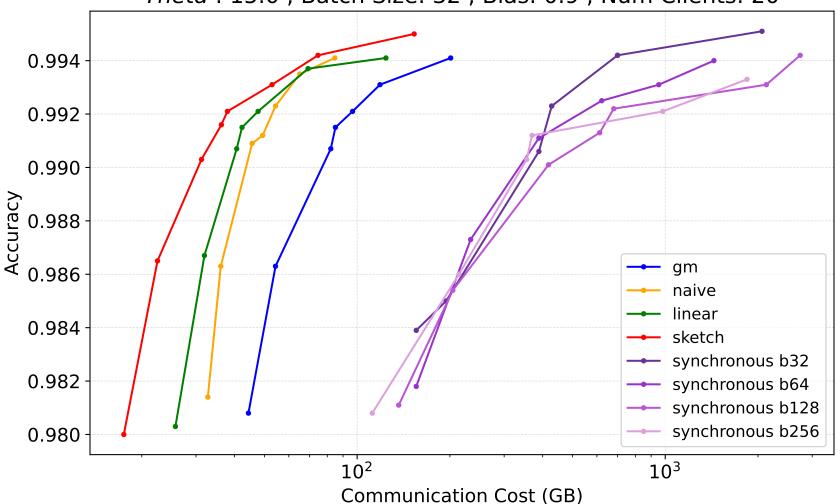




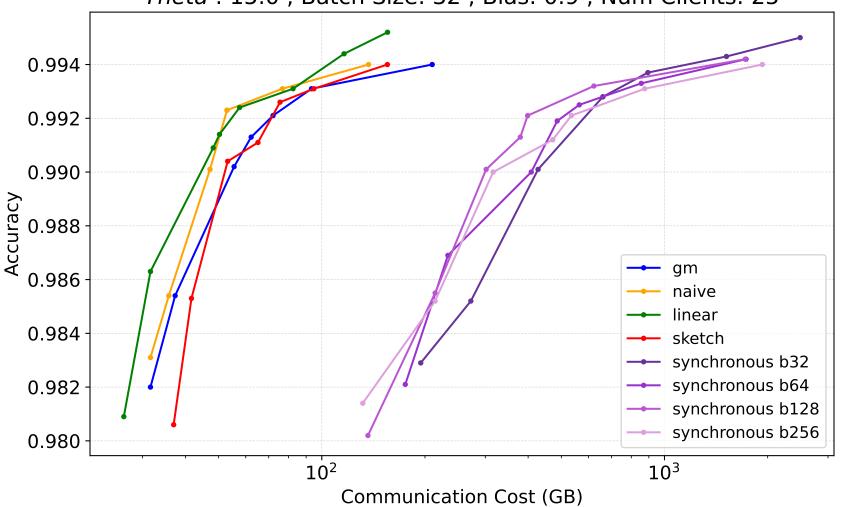
Theta: 15.0, Batch Size: 32, Bias: 0.9, Num Clients: 15



Theta: 15.0, Batch Size: 32, Bias: 0.9, Num Clients: 20

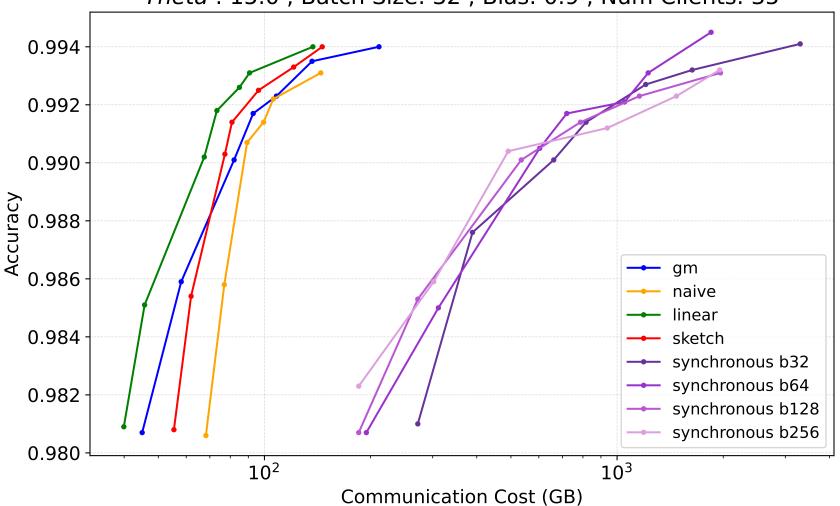


Theta: 15.0, Batch Size: 32, Bias: 0.9, Num Clients: 25



Theta: 15.0, Batch Size: 32, Bias: 0.9, Num Clients: 30 0.994 0.992 0.990 Accuracy 986.0 986.0 gm naive linear 0.984 sketch synchronous b32 0.982synchronous b64 synchronous b128 synchronous b256 0.980 10² 10³ Communication Cost (GB)

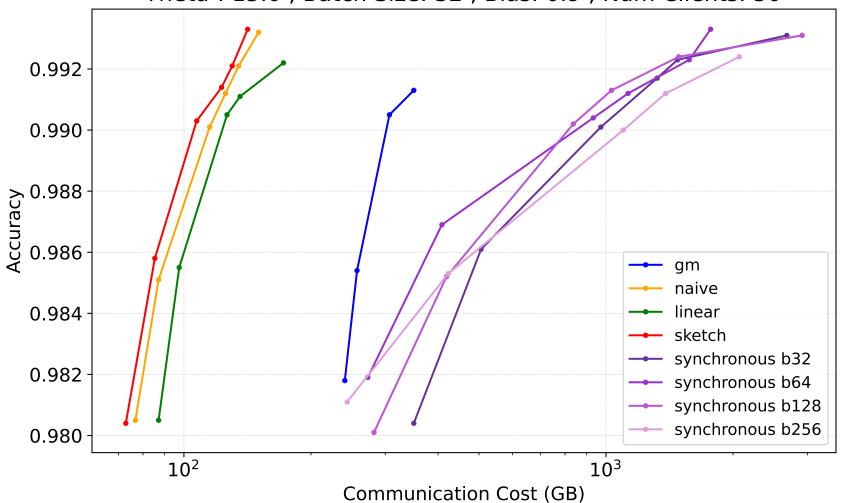
Theta: 15.0, Batch Size: 32, Bias: 0.9, Num Clients: 35



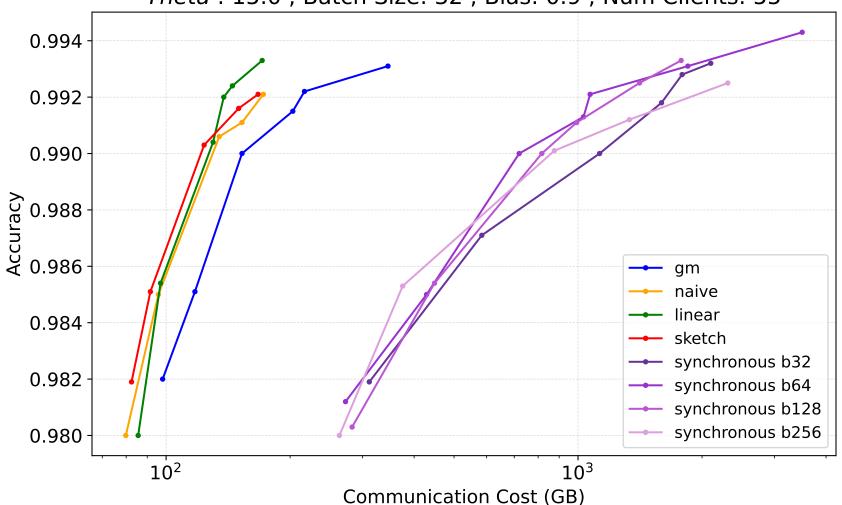
Theta: 15.0, Batch Size: 32, Bias: 0.9, Num Clients: 40 0.994 0.992 0.990 Accuracy 0.988 0.986 gm naive linear 0.984 sketch → synchronous b32 0.982 → synchronous b64 synchronous b128 synchronous b256 0.980 10² 10³ Communication Cost (GB)

Theta: 15.0, Batch Size: 32, Bias: 0.9, Num Clients: 45 0.994 0.992 0.990 Accuracy 986.0 gm naive linear 0.984 sketch synchronous b32 synchronous b64 0.982 synchronous b128 synchronous b256 0.980 10^2 10³

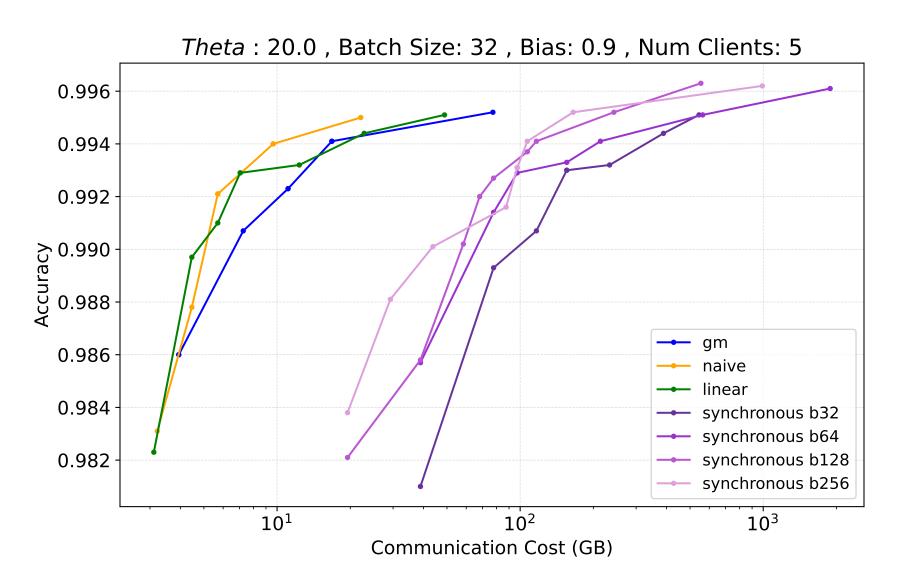
Theta: 15.0, Batch Size: 32, Bias: 0.9, Num Clients: 50

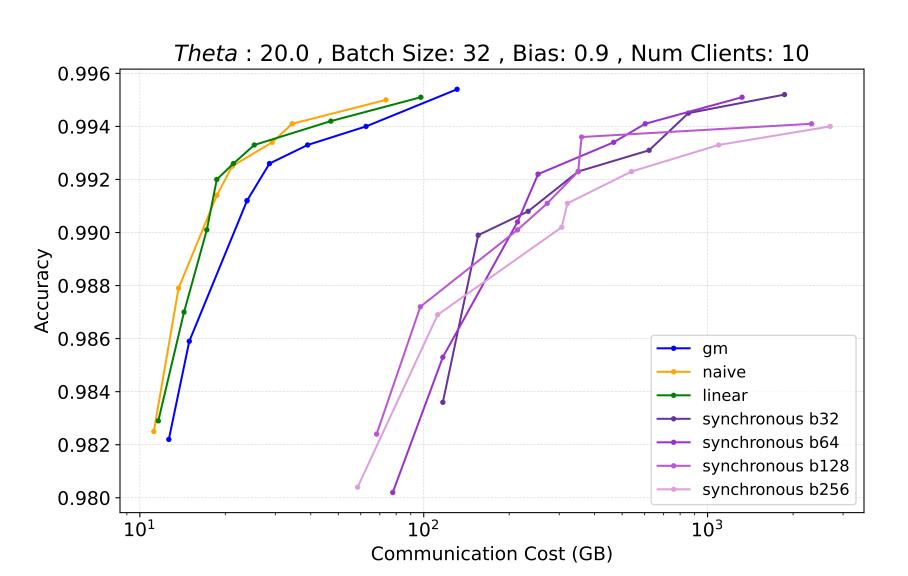


Theta: 15.0, Batch Size: 32, Bias: 0.9, Num Clients: 55

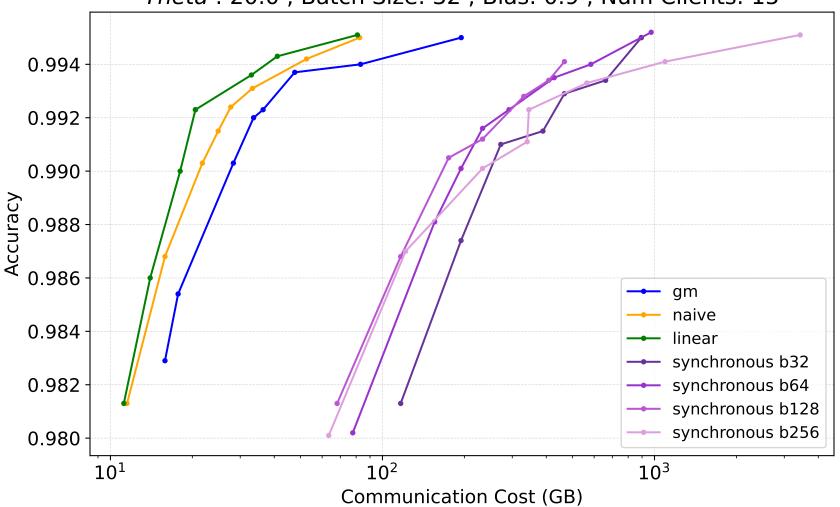


Theta: 15.0, Batch Size: 32, Bias: 0.9, Num Clients: 60 0.994 0.992 0.990 Accuracy 986.0 gm naive linear 0.984 sketch → synchronous b32 0.982 → synchronous b64 synchronous b128 synchronous b256 0.980 10² 10³



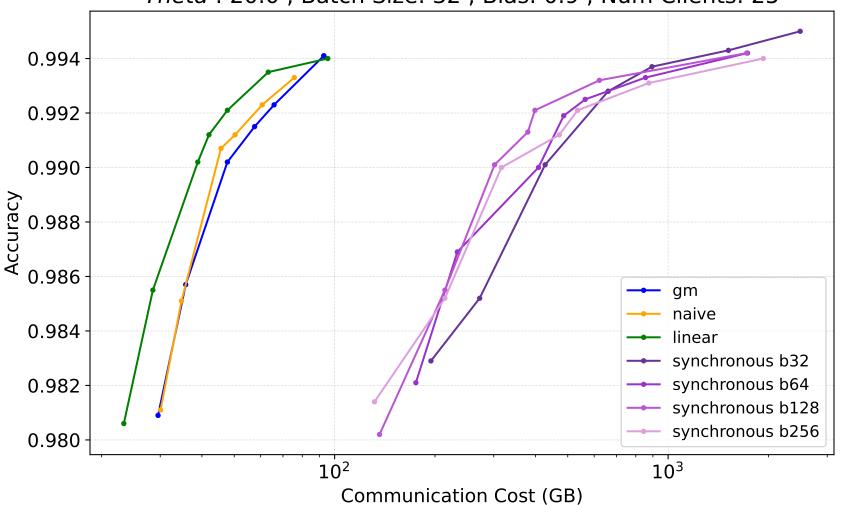


Theta: 20.0, Batch Size: 32, Bias: 0.9, Num Clients: 15



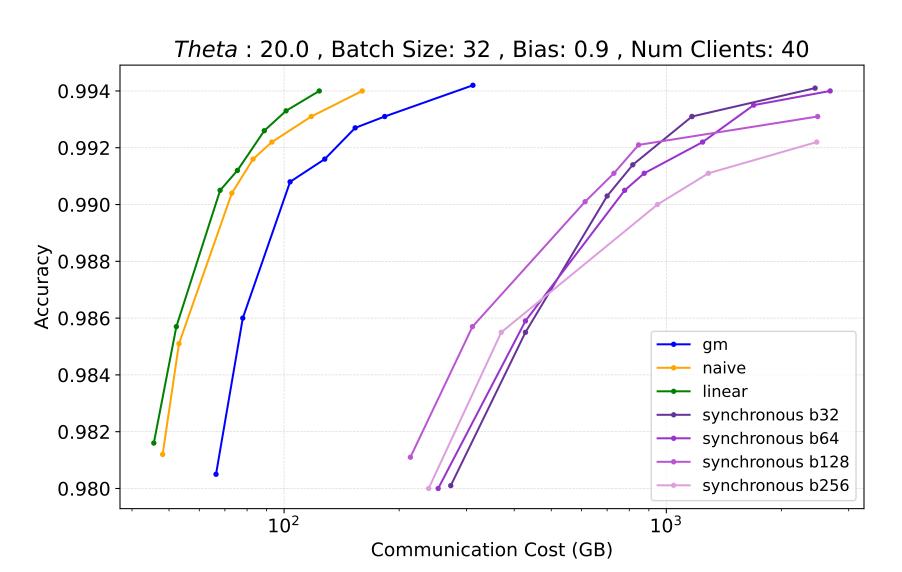


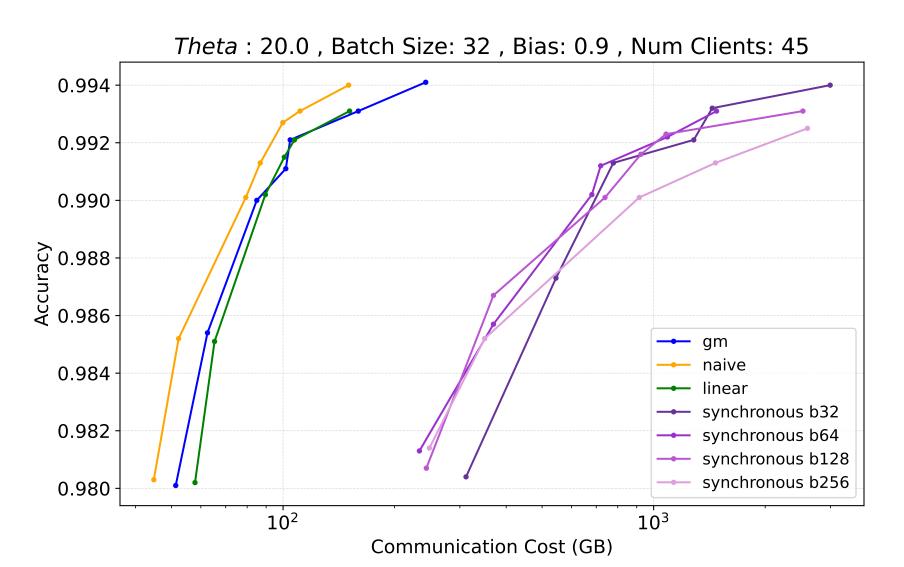
Theta: 20.0, Batch Size: 32, Bias: 0.9, Num Clients: 25

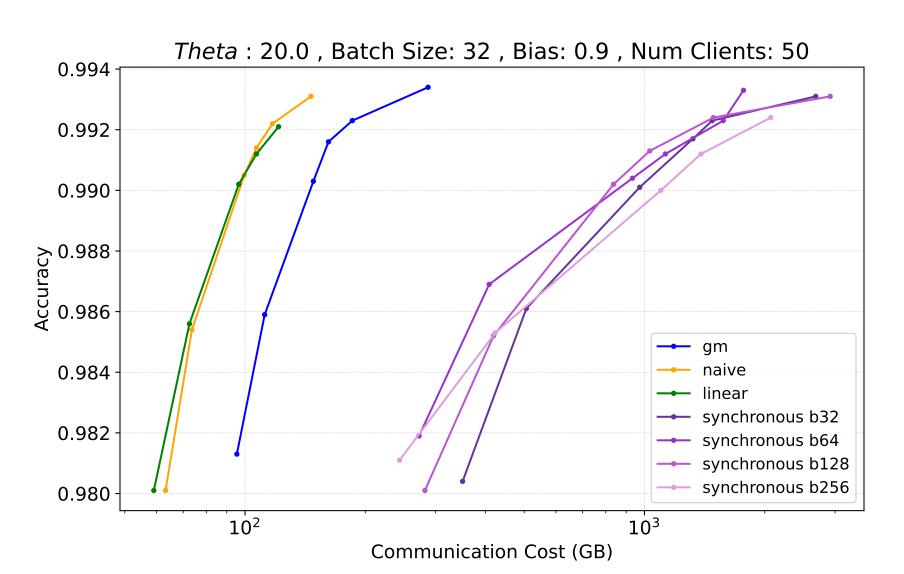


Theta: 20.0, Batch Size: 32, Bias: 0.9, Num Clients: 30 0.994 0.992 0.990 Accuracy 986.0 986.0 gm naive 0.984 linear synchronous b32 synchronous b64 0.982 synchronous b128 synchronous b256 0.980 10² 10³ Communication Cost (GB)



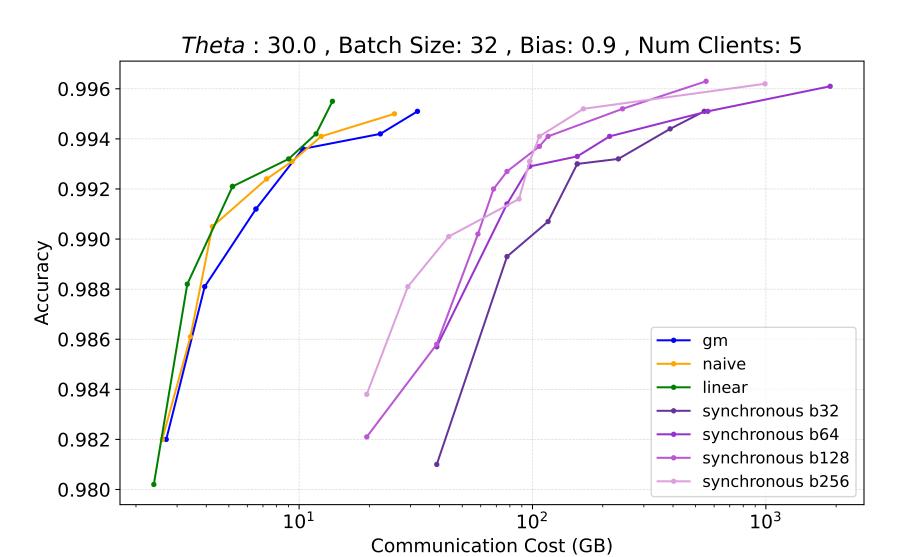




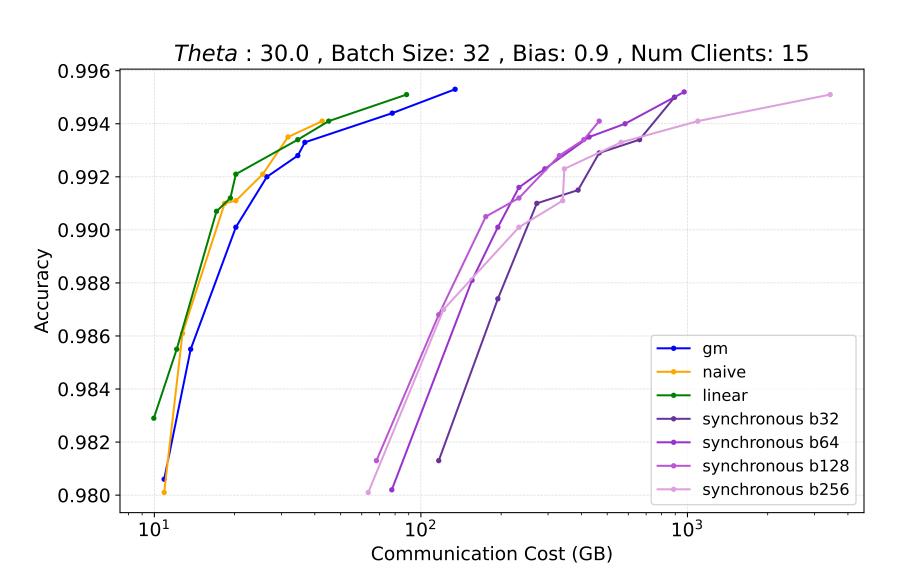


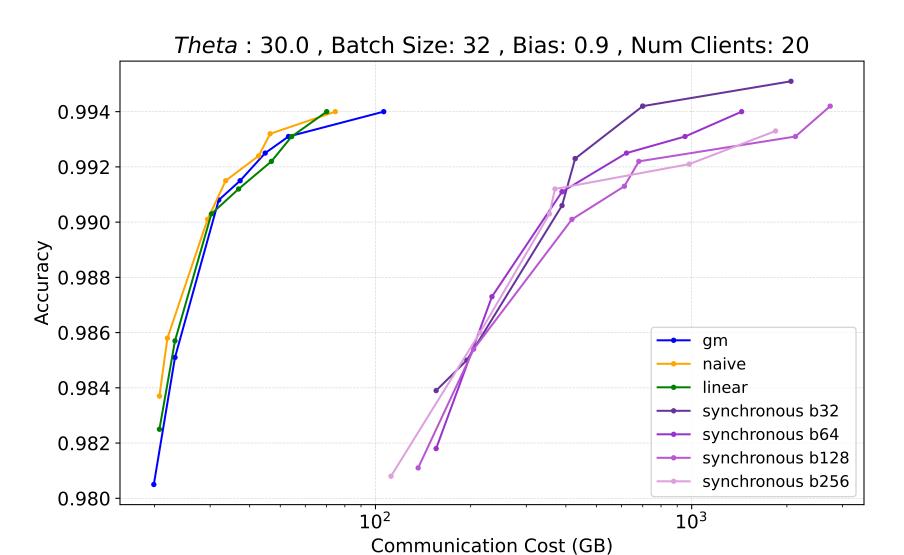


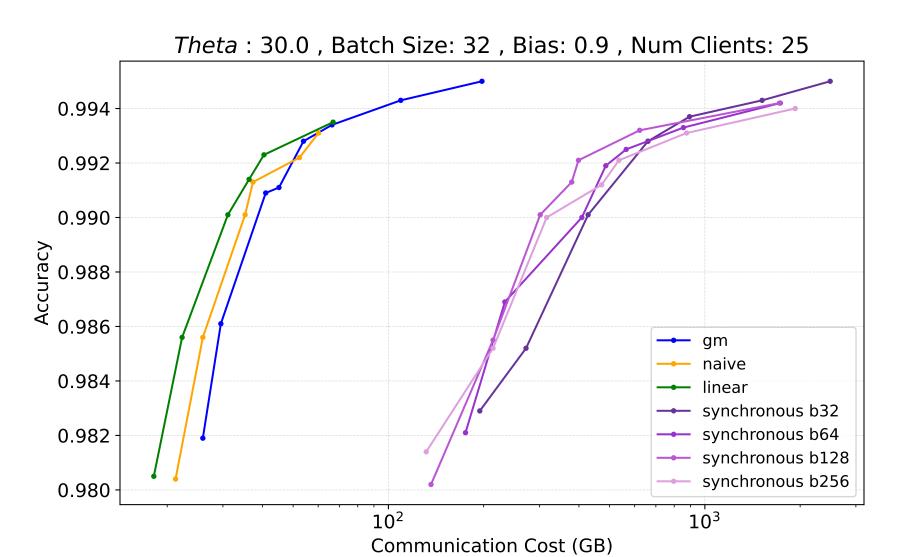








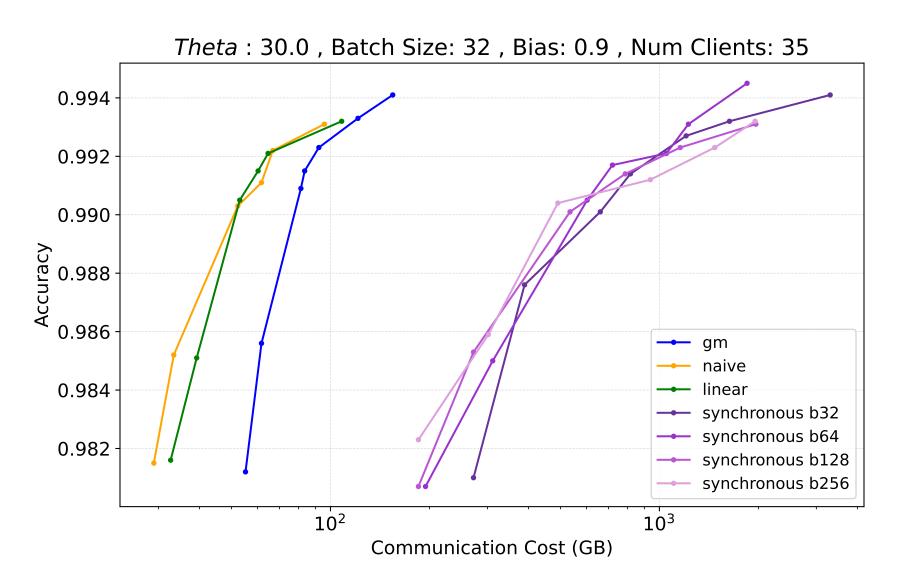




Theta: 30.0, Batch Size: 32, Bias: 0.9, Num Clients: 30 0.994 0.992 0.990 Accuracy 986.0 986.0 gm naive 0.984 linear synchronous b32 0.982 → synchronous b64 synchronous b128 synchronous b256 0.980

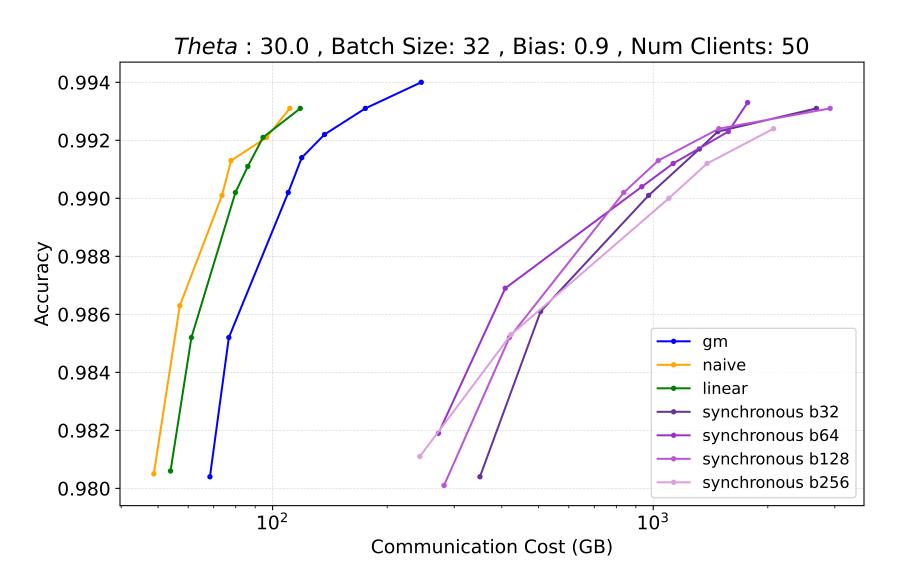
10³

10²

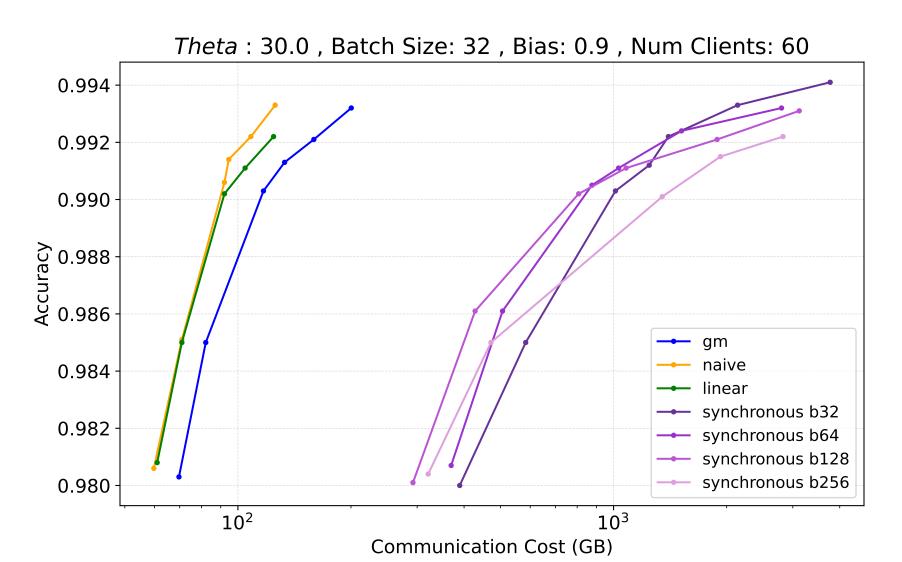


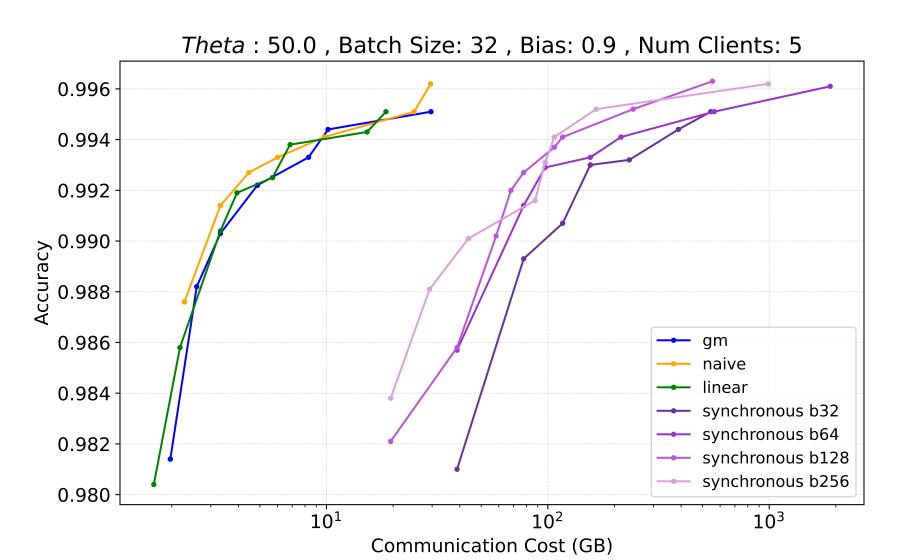


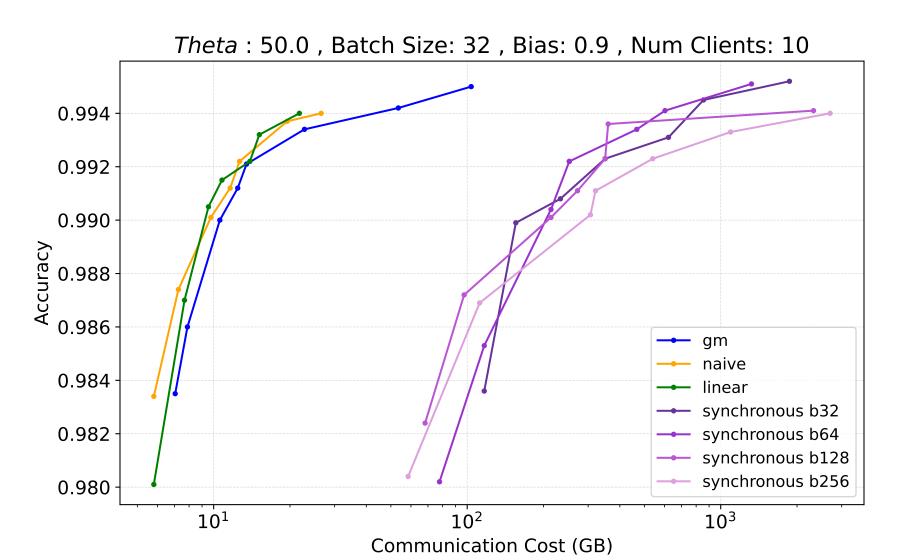
Theta: 30.0, Batch Size: 32, Bias: 0.9, Num Clients: 45 0.994 0.992 0.990 Accuracy 986.0 gm naive 0.984 linear synchronous b32 synchronous b64 0.982 synchronous b128 synchronous b256 0.980 10² 10³ Communication Cost (GB)



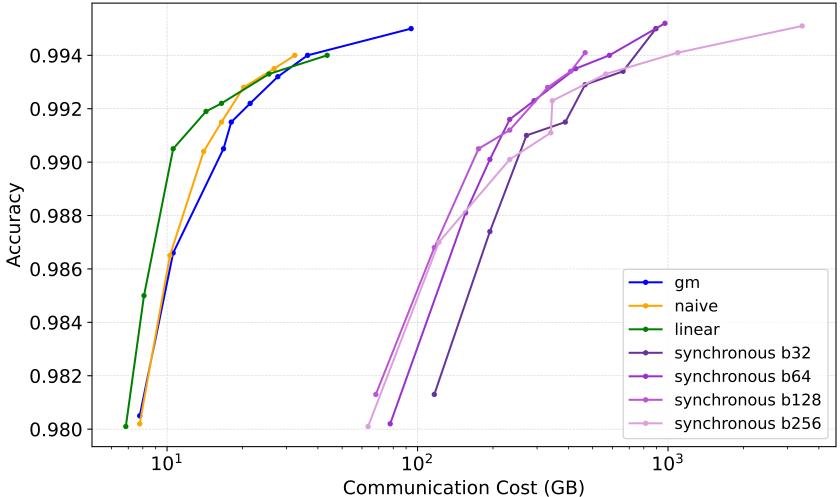
Theta: 30.0, Batch Size: 32, Bias: 0.9, Num Clients: 55 0.994 0.992 0.990 Accuracy 986.0 986.0 gm naive 0.984 linear synchronous b32 0.982 synchronous b64 synchronous b128 synchronous b256 0.980 10² 10³



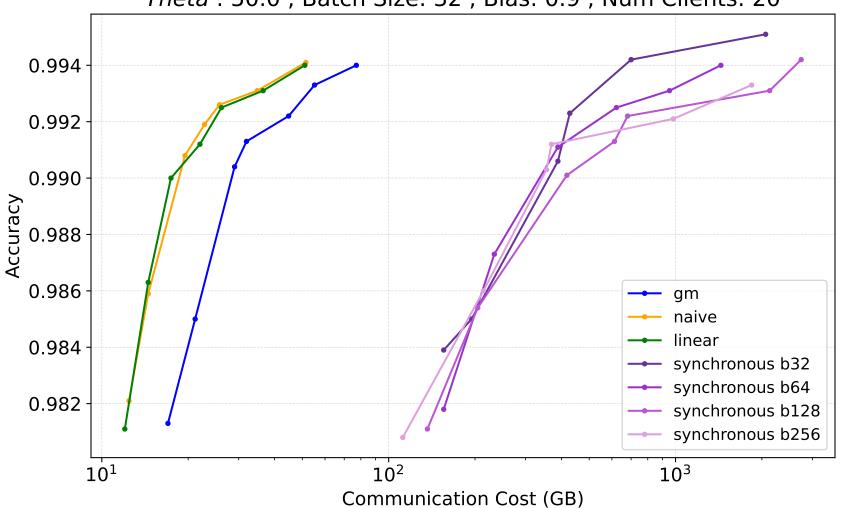


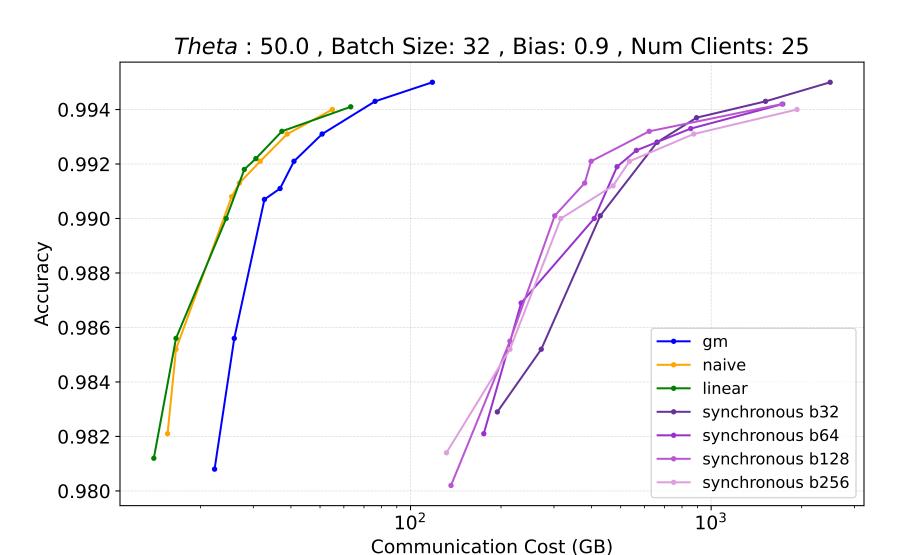


Theta: 50.0, Batch Size: 32, Bias: 0.9, Num Clients: 15

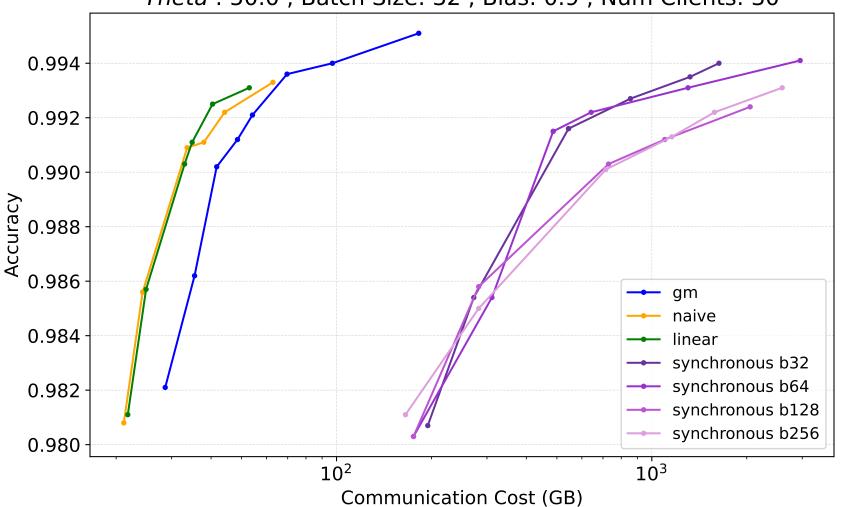


Theta: 50.0, Batch Size: 32, Bias: 0.9, Num Clients: 20

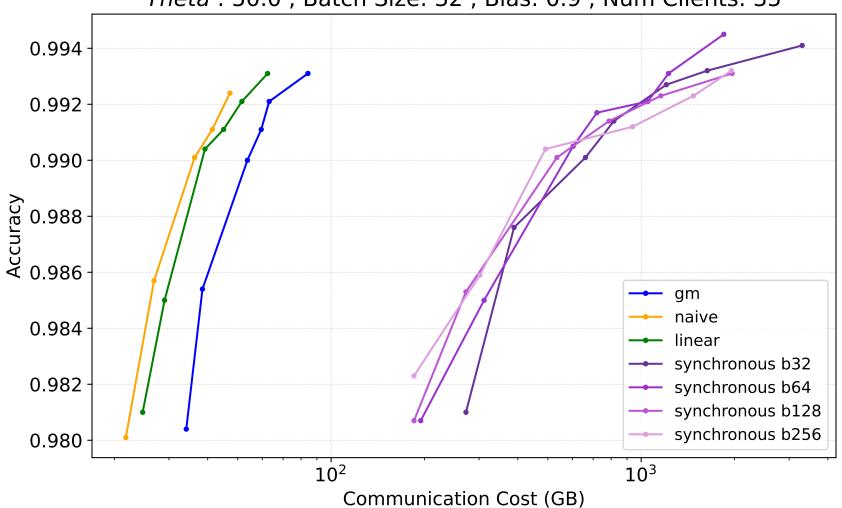




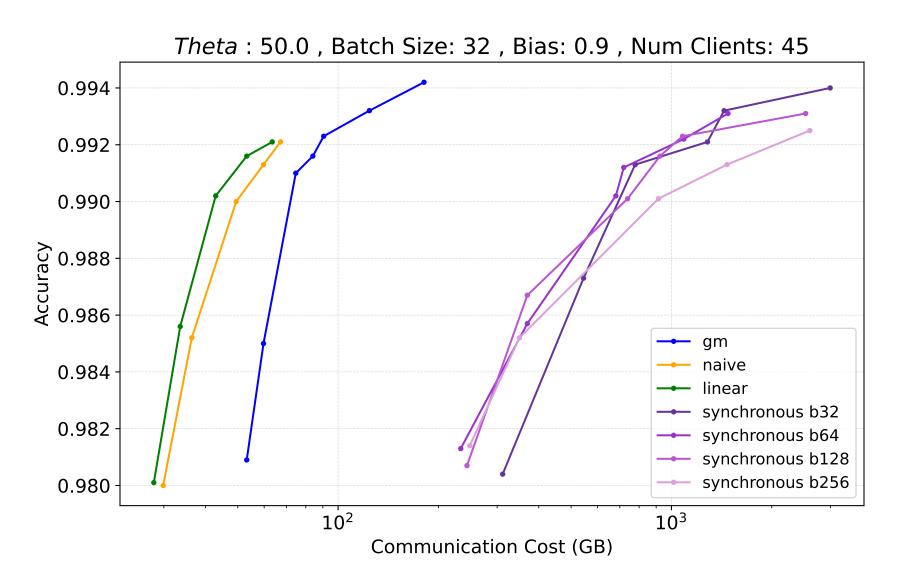
Theta: 50.0, Batch Size: 32, Bias: 0.9, Num Clients: 30



Theta: 50.0, Batch Size: 32, Bias: 0.9, Num Clients: 35

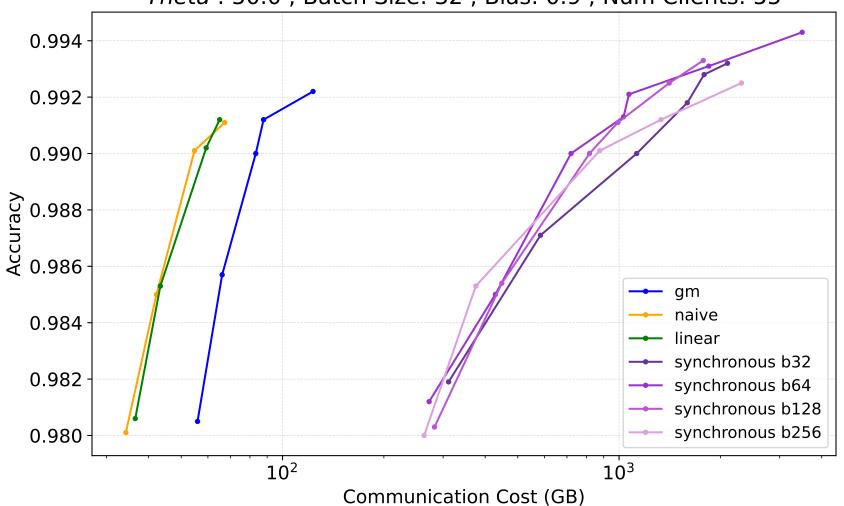


Theta: 50.0, Batch Size: 32, Bias: 0.9, Num Clients: 40 0.994 0.992 0.990 Accuracy 986.0 gm naive 0.984 linear synchronous b32 0.982 → synchronous b64 synchronous b128 synchronous b256 0.980 10² 10³



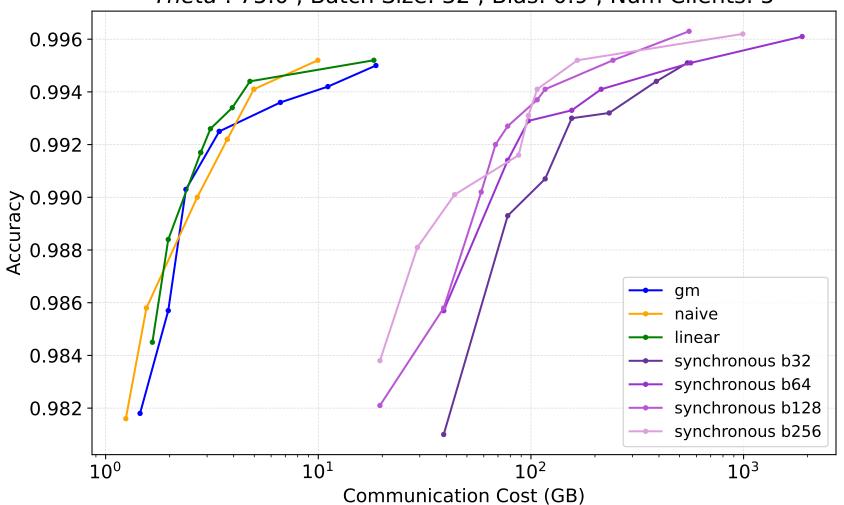
Theta: 50.0, Batch Size: 32, Bias: 0.9, Num Clients: 50 0.992 0.990 Accuracy 986.0 986.0 gm 0.984 naive linear synchronous b32 0.982 synchronous b64 synchronous b128 synchronous b256 0.980 102 10³ Communication Cost (GB)

Theta: 50.0, Batch Size: 32, Bias: 0.9, Num Clients: 55



Theta: 50.0, Batch Size: 32, Bias: 0.9, Num Clients: 60 0.994 0.992 0.990 Accuracy 986.0 gm naive 0.984 linear synchronous b32 0.982 synchronous b64 synchronous b128 synchronous b256 0.980 102 10³

Theta: 75.0, Batch Size: 32, Bias: 0.9, Num Clients: 5





Theta: 75.0, Batch Size: 32, Bias: 0.9, Num Clients: 15 gm naive linear synchronous b32 synchronous b64 synchronous b128 synchronous b256

10²

Communication Cost (GB)

10³

0.994

0.992

0.990

0.988

0.986

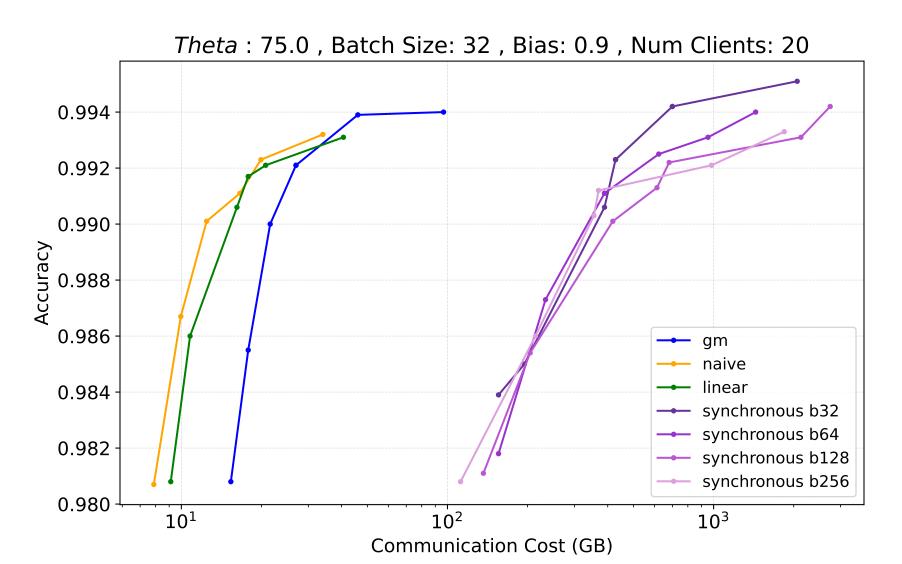
0.984

0.982

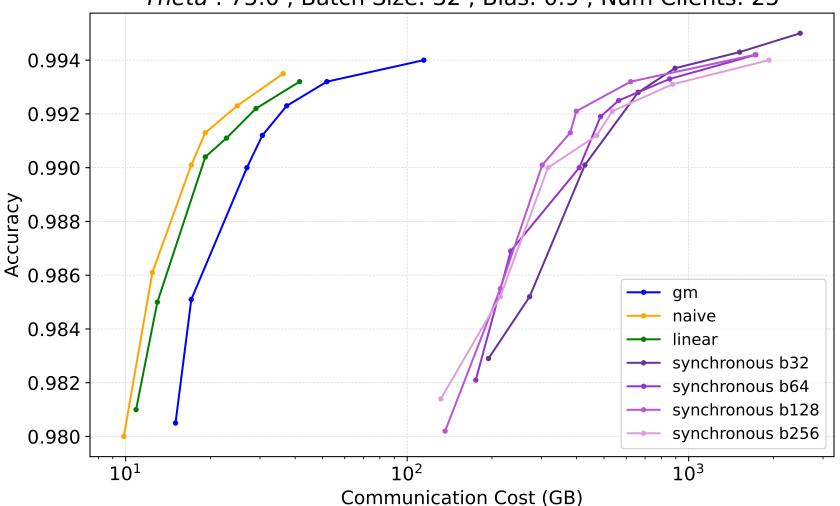
0.980

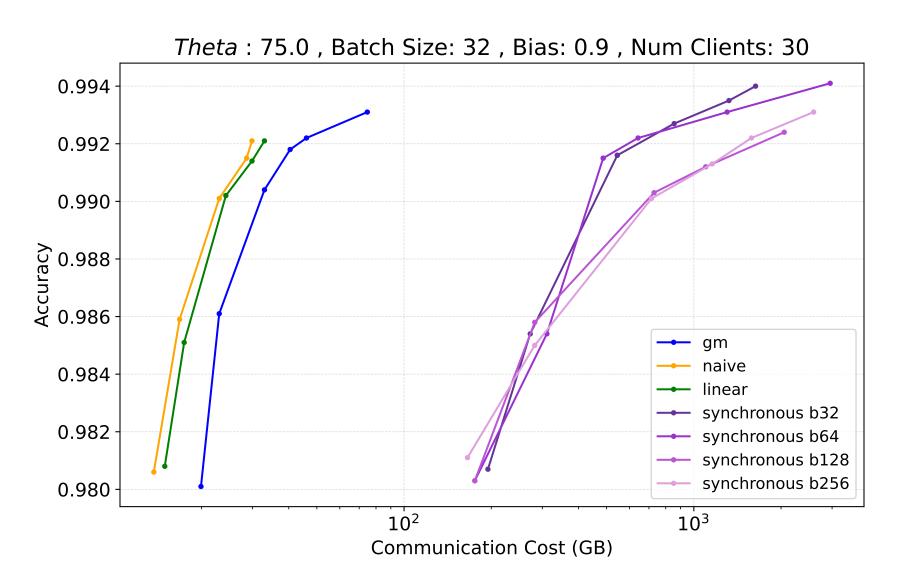
101

Accuracy

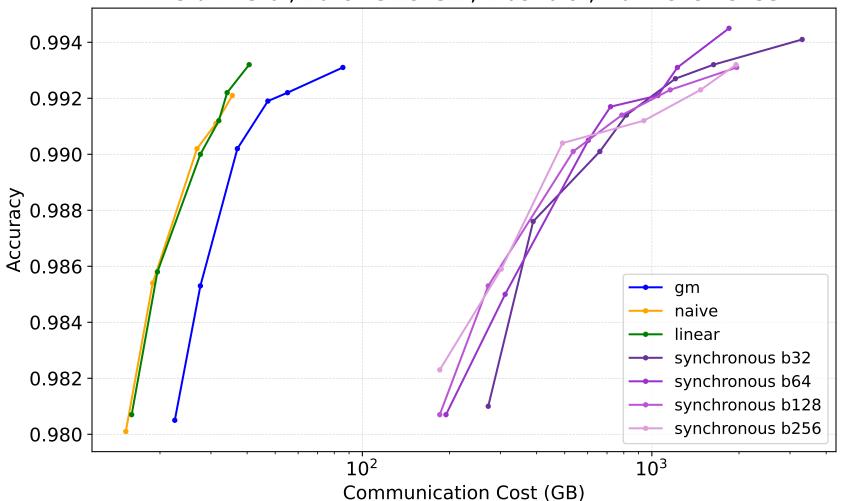


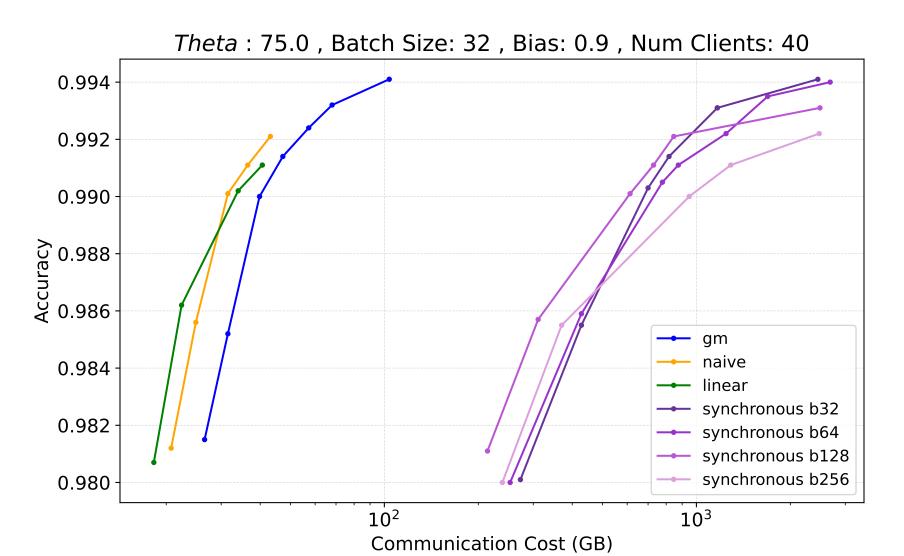
Theta: 75.0, Batch Size: 32, Bias: 0.9, Num Clients: 25



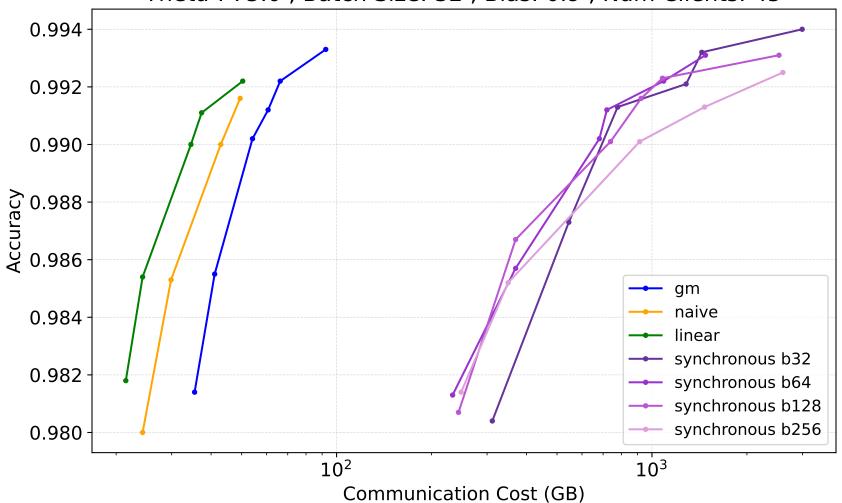


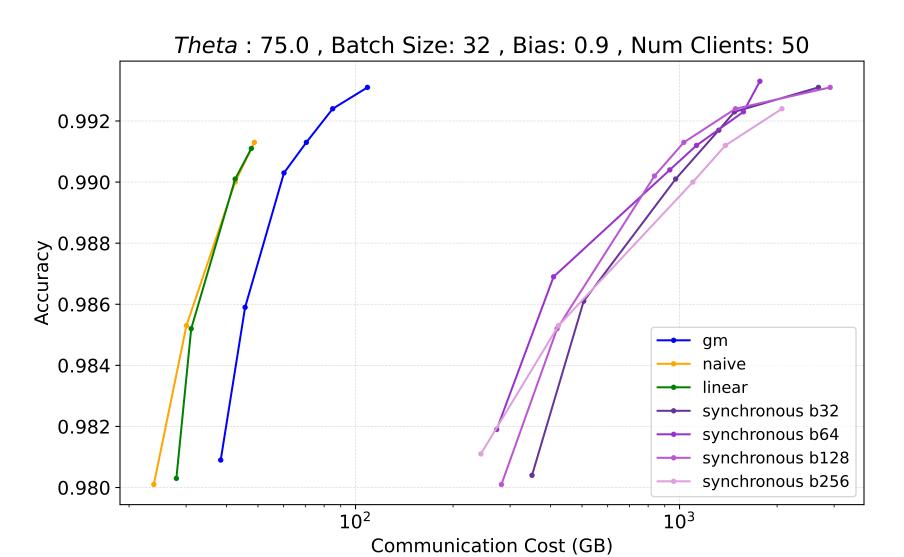
Theta: 75.0, Batch Size: 32, Bias: 0.9, Num Clients: 35



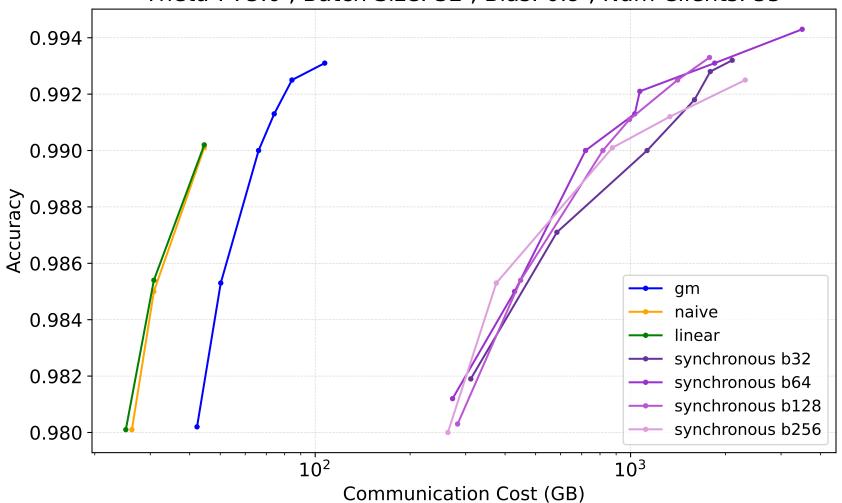


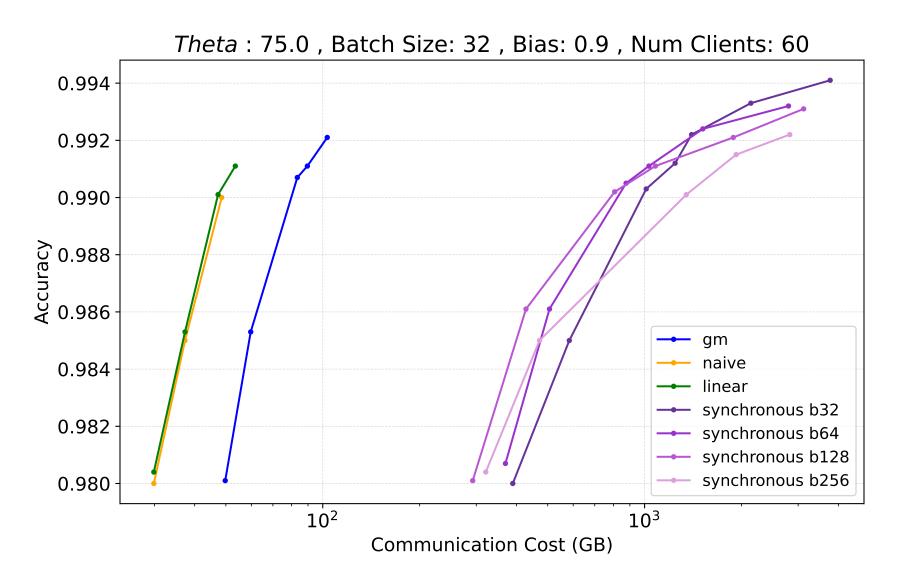
Theta: 75.0, Batch Size: 32, Bias: 0.9, Num Clients: 45



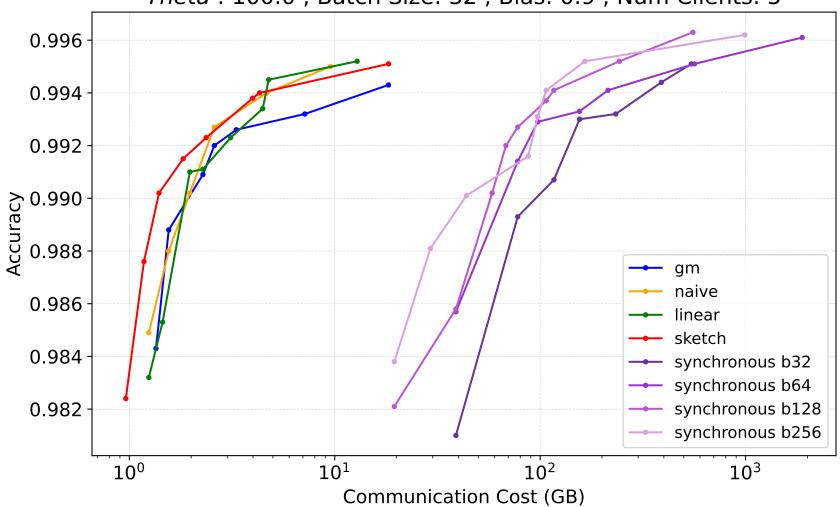


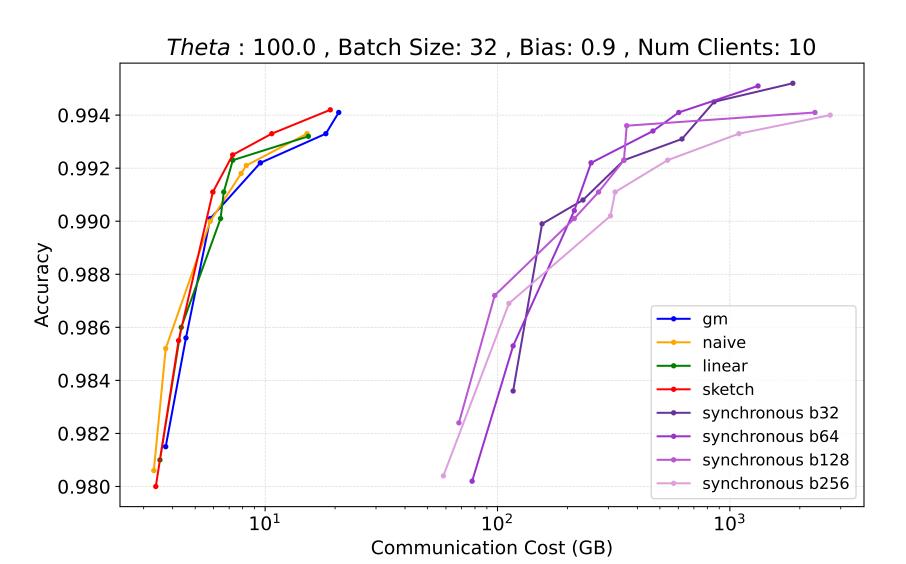
Theta: 75.0, Batch Size: 32, Bias: 0.9, Num Clients: 55



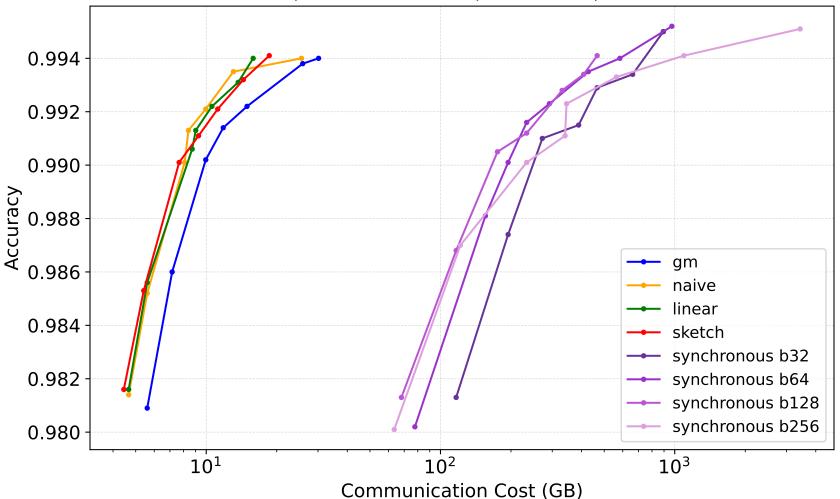


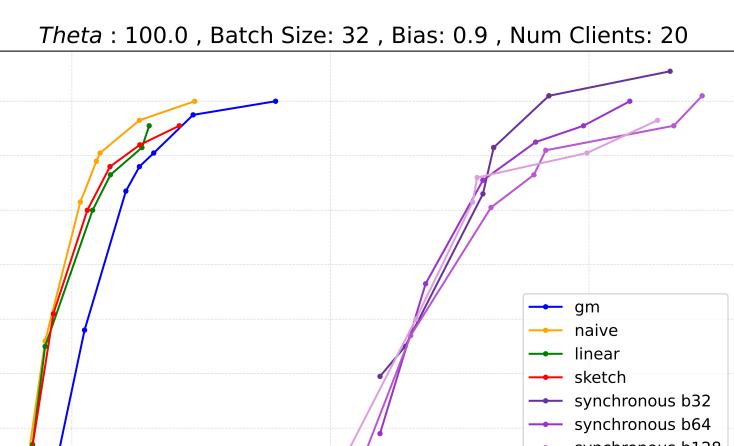
Theta: 100.0, Batch Size: 32, Bias: 0.9, Num Clients: 5

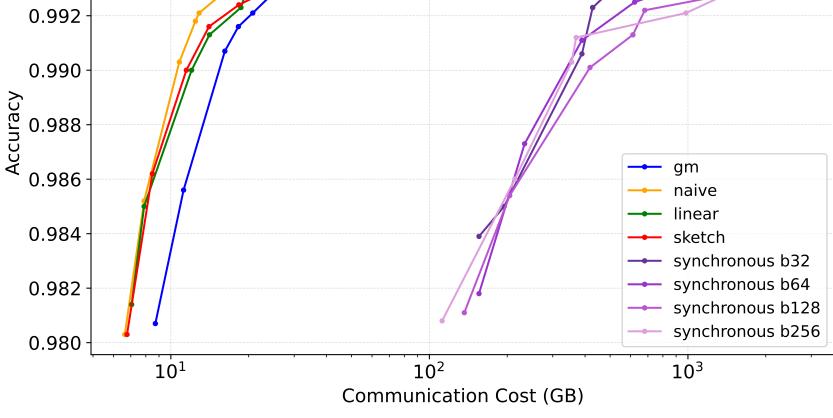




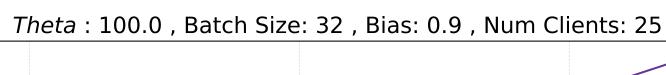
Theta: 100.0, Batch Size: 32, Bias: 0.9, Num Clients: 15

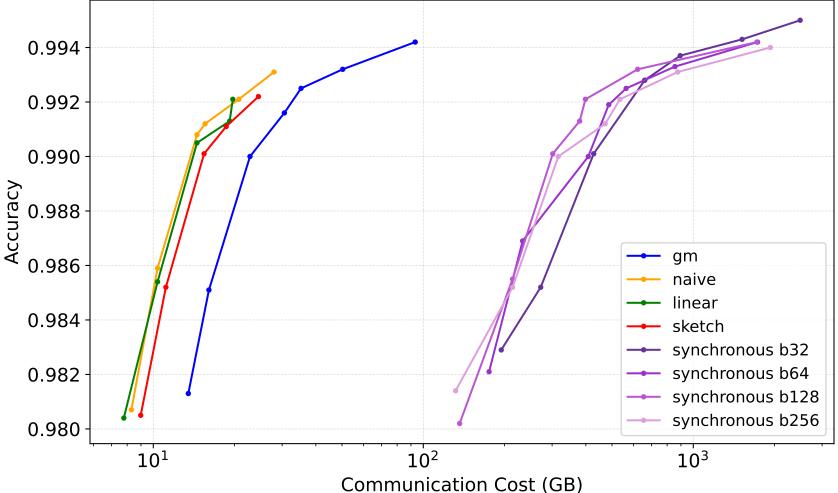






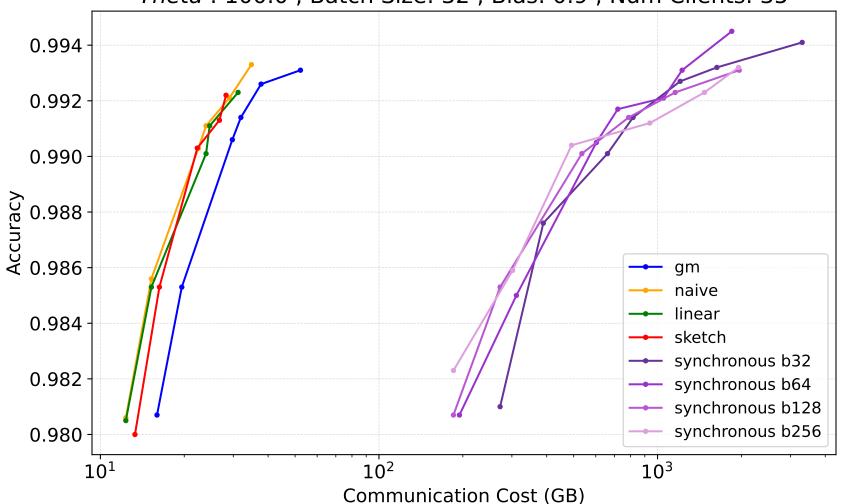
0.994

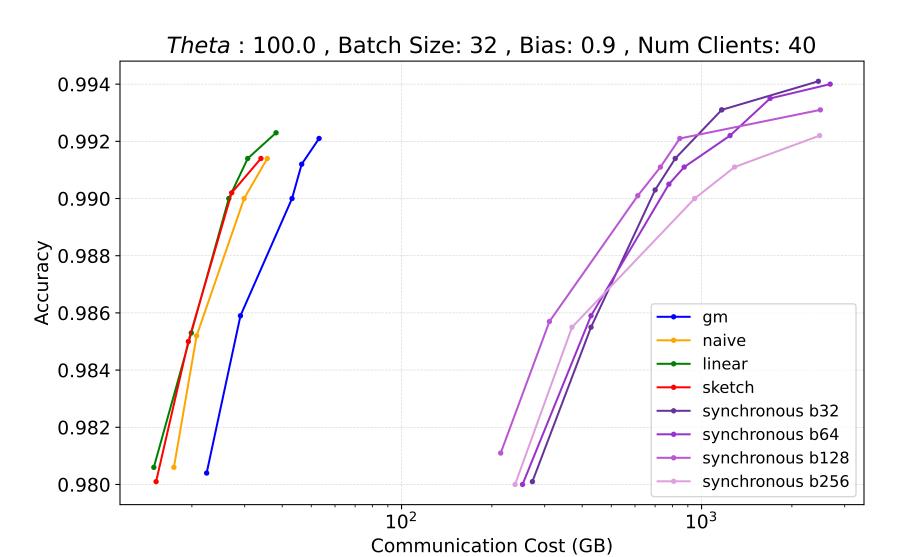


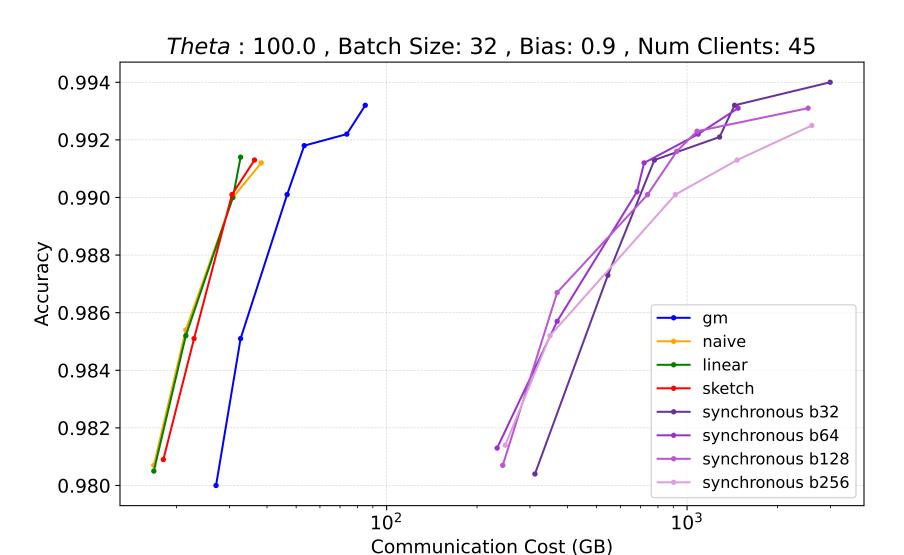


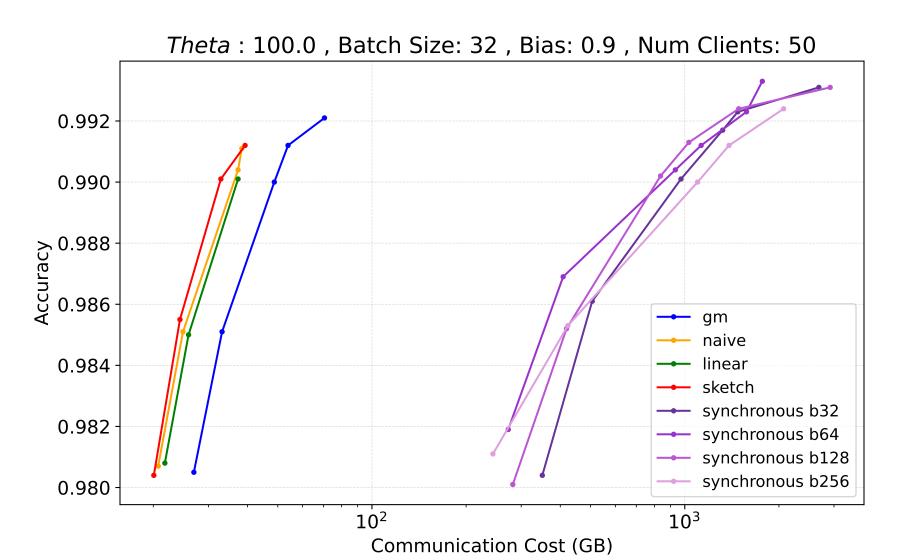


Theta: 100.0, Batch Size: 32, Bias: 0.9, Num Clients: 35









Theta: 100.0, Batch Size: 32, Bias: 0.9, Num Clients: 55 gm naive linear

