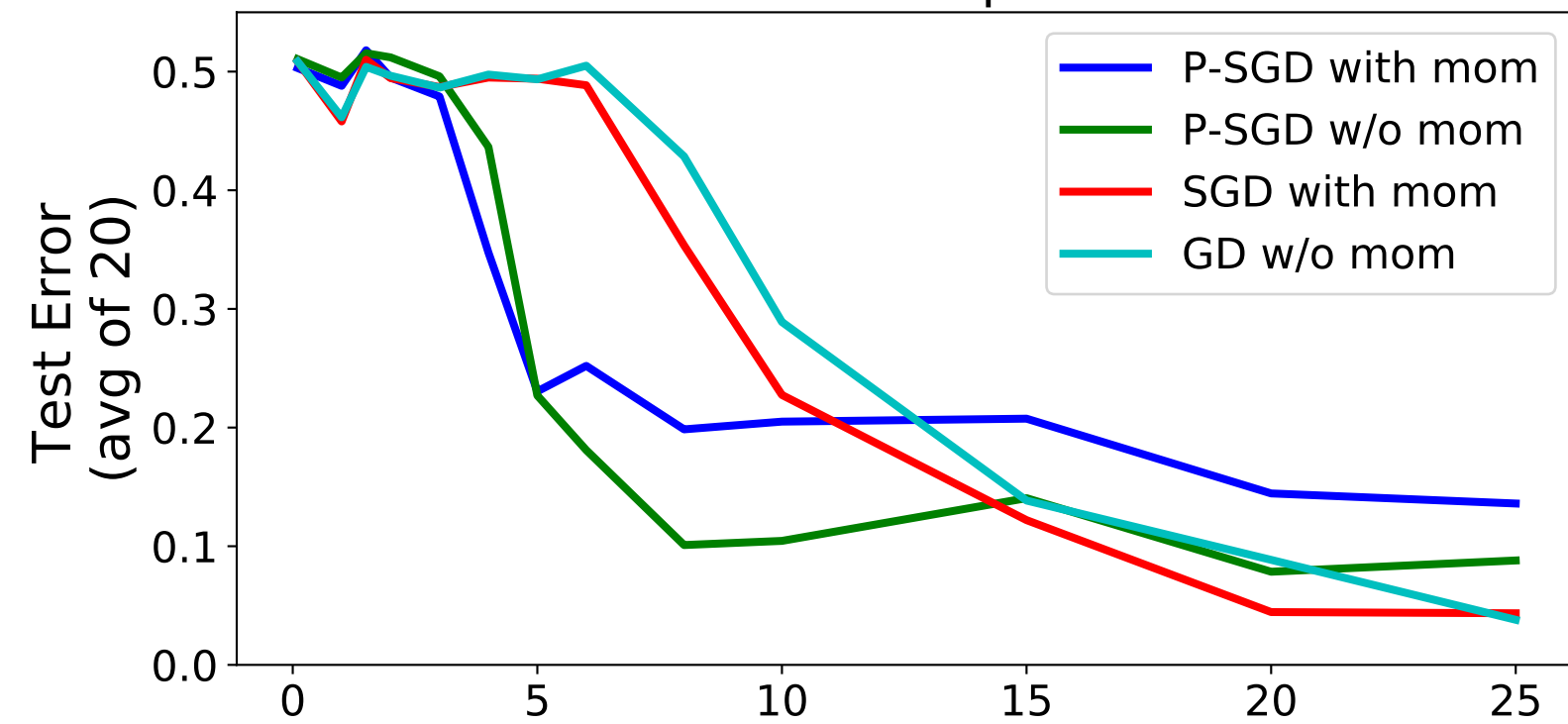Symmetric Door Channel, 1024 features
batch_size = n_samples / 8