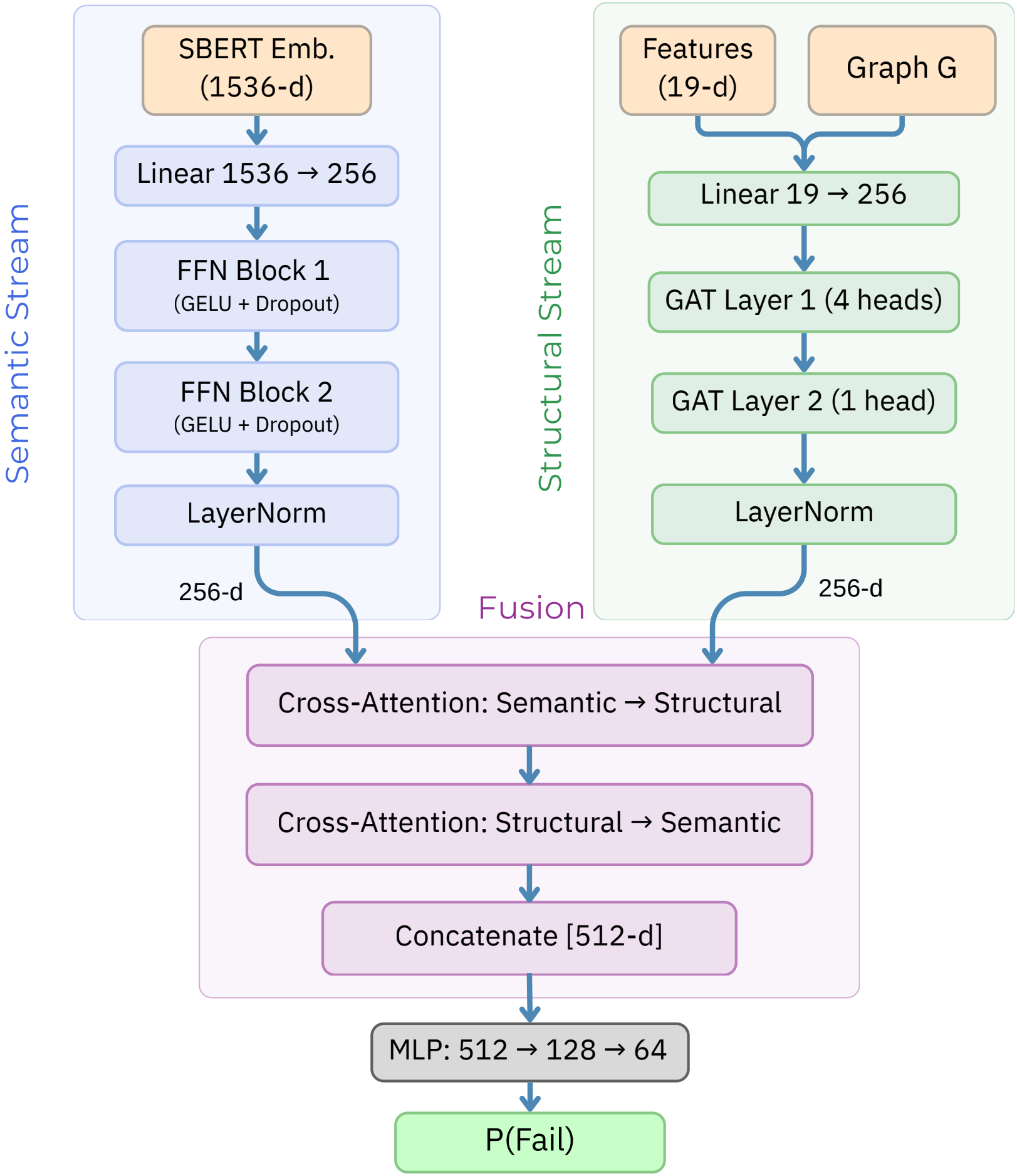Dual-Stream Architecture