



Ethernet PHY: VDD1P0=1.1V, Imax=108mA

USB3.0 HUB: VDD=1.1V, Imax=778mA

Total: Imax = 108mA + 554mA = 886mA

Option 1: VIN_2V5/3V3 = 3.3V

Power Consumption: (3.3V-1.1V) * 0.886A = 1.9492W

Thermal Junction-to-ambient: 1.9492W * 44.2°C/W=86.15°C

Option 2: VIN_2V5/3V3 = 2.5V

Power Consumption: (2.5V-1.1V) * 0.886A = 1.2404W

Thermal Junction-to-ambient: 1.2404W * 44.2°C/W=54.83°C