SketchPointNet:

    Micro PointNet P1:

    Input : 512x30x3 4.6w

    512x30x8        12.3w

    512x30x16  24.6w

    512x30x64  98.4w

    512x64      3.3w

    512x64      3.3w

    512x32      1.6w

    Output: 512x2      0.1w

148.1w

    Micro PointNet P2:

    Iuput: 256x100x5     12.8w

    256x100x32      81.9w

    256x100x32      81.9w

    256x100x128    327.7w

    256x128    3.28w

    256x256    6.6w

    256x128    3.28w

    Output: 256x29 0.7w

518.2w

    PointNet P3:

    Input: 256x32    0.8w

    256x64      1.6w

    256x128    3.2w

    256x1024      26w

    1024

    512

    256

    250

31.8w
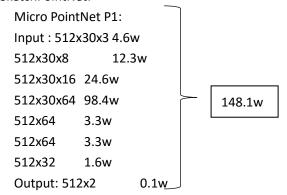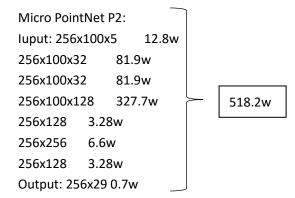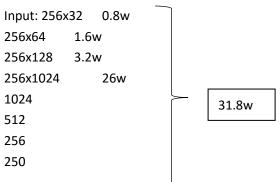
    Total size of feature maps: 698.1w

    Trainable parameters: 6616+74528+467456=64.86w

Sketch-a-Net:

    Input: 225x225     5.1w

    64x(71x71+35x35)  40w

    128x(31x31+15x15)     15w

    256x(15x15x3+7x7)     18.5w

    512

    512

    250

    Total size of feature maps:    79w

    Trainable parameters: 8.24 million

DeepSketch:
    Total size of feature maps: 128.4w
    Trainable parameters: 55.1 million