

# Target Current Consumption

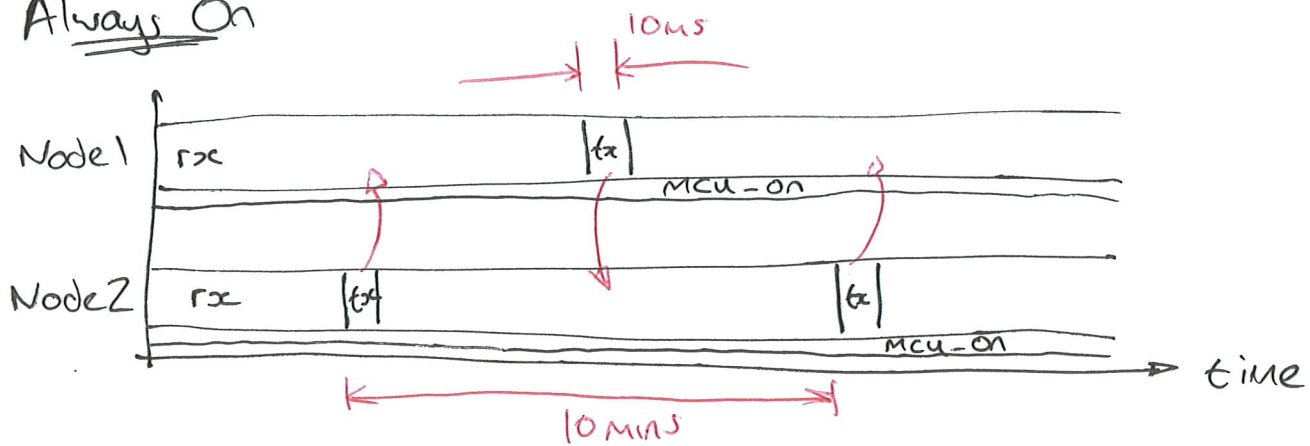
2x AA batteries

3V @ 3000mAh

10 years operation. = 87660 hours

$$I_{\text{target}} = 34 \mu\text{A}$$

## Always On



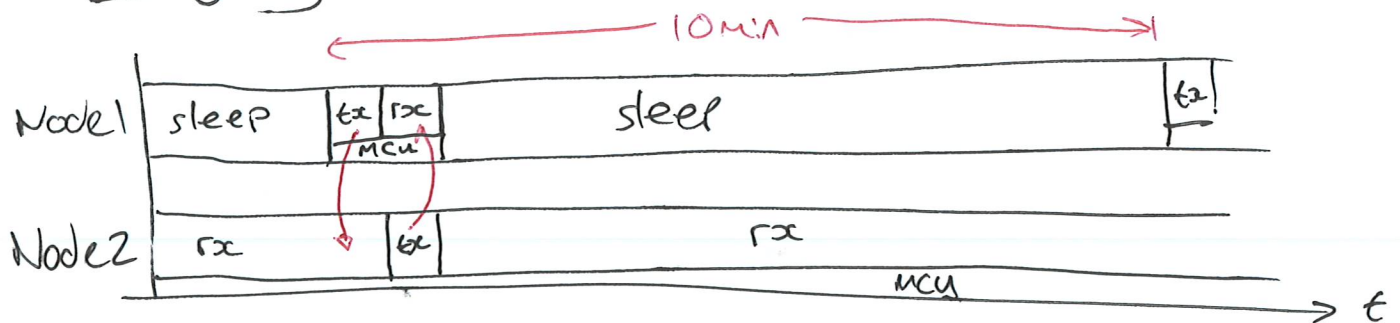
$$I_{\text{tx}} = 23\text{mA} \quad \text{for } 0.01\text{s} \quad = 0.383 \mu\text{A}$$

$$I_{\text{rx}} = 12\text{mA} \quad \text{for } 600 - 0.01\text{s} \quad = 11.9 \mu\text{A}$$

$$I_{\text{mcu}} = 3\text{mA} \quad \text{for } 10\text{mins} = 600\text{s} = 3\text{mA}$$

$$\Sigma: \bar{I} \approx 15\text{mA}$$

## Duty-Cycling



$$\bar{I} = \underline{\underline{1.58 \mu\text{A}}}$$

# Low-Power Listening

