

# Target Current Consumption

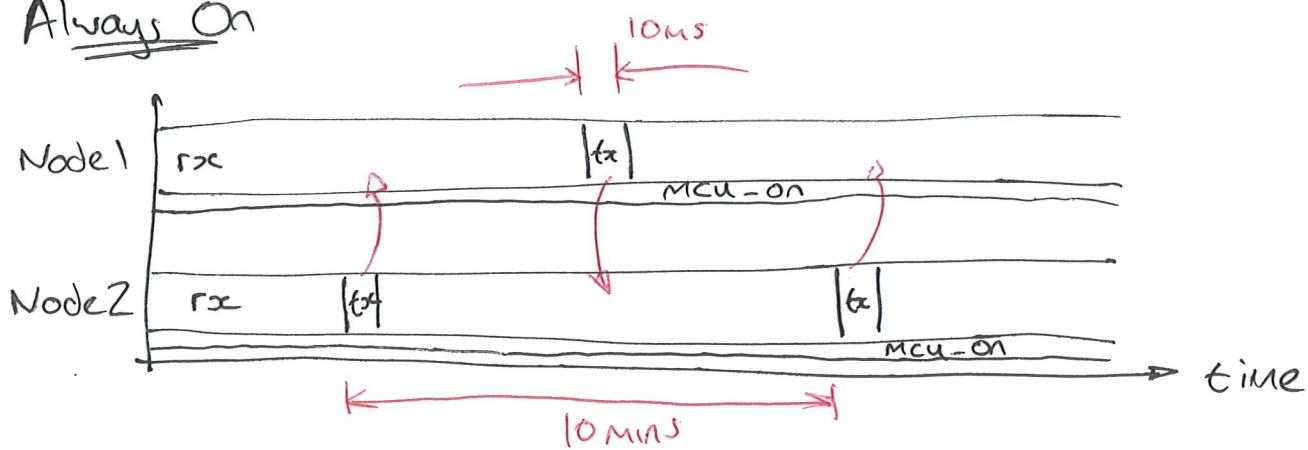
2x AA batteries

3V @ 3000mAh

10 years operation. = 87660 hours

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

Always On



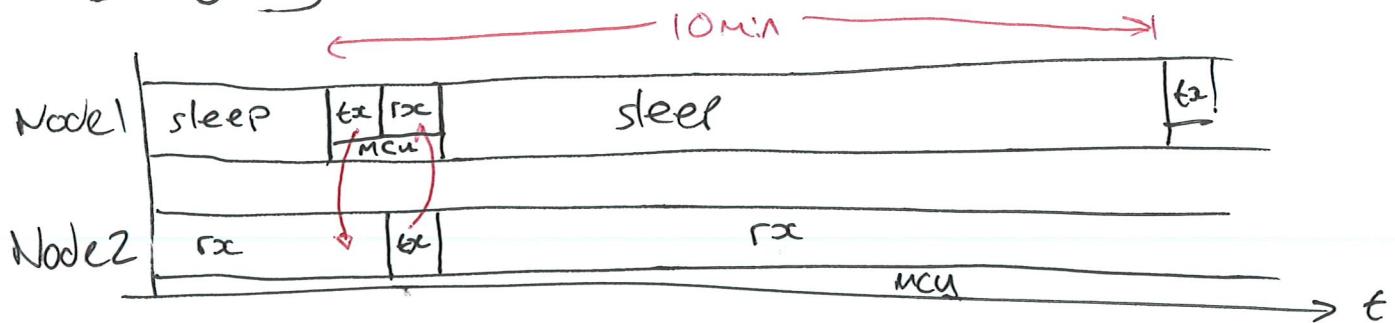
$$I_{\text{txc}} = 23 \mu\text{A} \quad \text{for } 0.01s = 0.383 \mu\text{A}$$

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

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

$$\sum I = \underline{\underline{15 \mu\text{A}}}$$

Duty-Cycling



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

## Low-Power Listening

