

Xbee Quizmote Bill Of Materials

(Bold/Italics are optional quantities or sellers)

(Note: Sparkfun has quantity discounts for 10 or more items, usually about 10%)

| Part | Type | Count | Seller |
|---|---------------------------------|----------------------|------------------------|
| Ribbon Crimp Connector (Female) | 10 pin (2x5) | 1 pc | Sparkfun |
| Ribbon Crimp Connector (Female) | 6 pin (2x3) | 1 pc | Sparkfun |
| 2 mm socket (Xbee) | 10 pin | 1 pc | Sparkfun |
| Break away headers (straight) | 40 pin | 1 pc | Sparkfun |
| 33 mm Push Button | Green | 1 pc | Sparkfun |
| 33 mm Push Button | Yellow | 1 pc | Sparkfun |
| 33 mm Push Button | Pink (red) | 1 pc | Sparkfun |
| 5 mm LED | Green | 1 pc | Sparkfun |
| <i>5 mm LED</i> | | <i>25 pcs</i> | <i>Sparkfun</i> |
| 5 mm LED | Yellow | 1 pc | Sparkfun |
| <i>5 mm LED</i> | <i>10 yellow, 10 red</i> | <i>20 pcs</i> | <i>Sparkfun</i> |
| 5 mm LED | Red | 1 pc | Sparkfun |
| <i>5 mm LED</i> | | <i>25 pcs</i> | <i>Sparkfun</i> |
| 5 mm LED | Blue | 1pc | Sparkfun |
| <i>5 mm LED</i> | | <i>25 pcs</i> | <i>Sparkfun</i> |
| Ribbon Cable (rainbow) | 6 wire | 15 feet | Sparkfun |
| Ribbon Cable (rainbow) | 10 wire | 15 feet | Sparkfun |
| Hook up wire (Stranded) | White | 25 feet | Sparkfun |
| Heat Shrink Kit | various size tubes | many pcs | Sparkfun |
| 1/4 watt resistor (through hole, carbon film) | 510 ohm, 5% | 1 pc | Mouser |
| 1/4 watt resistor (through hole, carbon film) | 270 ohm, 5% | 1 pc | Mouser |
| 1/4 watt resistor (through hole, carbon film) | 180 ohm, 5% | 1 pc | Mouser |
| 1/4 watt resistor (through hole, carbon film) | 820 ohm, 5% | 1 pc | Mouser |
| Xbee Explorer USB | | 1 pc | Sparkfun |
| Synapse RF266PC1, 2.4 GHz, 130 mW | Chip Antenna | 1 pc | Sparkfun |
| Synapse RF266PC1, 2.4 GHz, 130 mW | Chip Antenna | 1 pc | Sparkfun |
| Battery Holder 2xAA | 6" Leads, cover, switch | 1 pc | Mouser |
| Project Box | 6"x3"x2" | 1 pc | RadioShack |
| 5mm LED holders | for 1/4 inch hole | 5 pcs | RadioShack |
| Quick Disconnects (Female) | .110", 18-22 guage, vinyl | 100 pcs | Amazon |
| Printed Circuit Board | Fusion PCB service | 10 pcs | Seed Studio |
| Double sided foam tape | 3M | 1 roll | wherever |

(Bold/Italics are optional quantities or sellers)

| Part Number | Price | quantity needed | cost/quiz box | cost/quiz set |
|----------------------------|---------------|------------------------|----------------------|----------------------|
| PRT-10650 | \$0.50 | 1 1pc/quiz box | \$0.50 | |
| PRT-10651 | \$0.35 | 1 1pc/quiz box | \$0.35 | |
| PRT-08272 | \$1.00 | 2 2pcs/quiz box | \$2.00 | |
| PRT-00116 | \$1.60 | 0.33 16 pins/quiz box | \$0.53 | |
| COM-09179 | \$0.95 | 1 1pc/quiz box | \$0.95 | |
| COM-09180 | \$0.95 | 1 1pc/quiz box | \$0.95 | |
| COM-09177 | \$0.95 | 1 1pc/quiz box | \$0.95 | |
| COM-09592 | \$0.35 | 1 1pc/quiz box | \$0.35 | |
| COM-09855 | \$2.95 | | | |
| COM-09594 | \$0.35 | 1 1pc/quiz box | \$0.35 | |
| COM-10049 | \$2.95 | | | |
| COM-09590 | \$0.35 | 1 1pc/quiz box | \$0.35 | |
| COM-09856 | \$2.95 | | | |
| COM-00529 | \$0.95 | 1 1pc/quiz box | \$0.95 | |
| COM-09662 | \$7.95 | | | |
| CAB-10646 | \$2.95 | 7 inches/quiz box | | \$2.95 |
| CAB-10647 | \$4.95 | 7 inches/quiz box | | \$4.95 |
| PRT-08866 | \$2.50 | 7 inches/quiz box | | \$2.50 |
| PRT-09353 | \$7.95 | some/quiz box | | \$7.95 |
| 291-510-RC | \$0.10 | 1 1pc/quiz box | \$0.10 | |
| 291-270-RC | \$0.10 | 1 1pc/quiz box | \$0.10 | |
| 291-180-RC | \$0.10 | 1 1pc/quiz box | \$0.10 | |
| 291-820-RC | \$0.10 | 1 1pc/quiz box | \$0.10 | |
| WRL-08687 | \$24.96 | 1 1pc/quiz set | | \$24.96 |
| WRL-11279 | \$30.95 | 1 1pc/quiz set | | \$30.95 |
| WRL-11279 | \$30.95 | 1 1pc/quiz box | \$30.95 | |
| 12BH325/CS-GR | \$1.34 | 1 1pc/quiz box | \$1.34 | |
| 270-1805 | \$3.99 | 1 1pc/quiz box | \$3.99 | |
| 266-079 | \$1.69 | 1 4pcs/quiz box | \$1.69 | |
| | \$5.90 | 0.06 6pcs/quiz box | \$0.35 | |
| | \$24.90 | 0.1 1pc/quiz box | \$2.49 | |
| | \$5.00 | 1 some/quiz box | | \$5.00 |
| Total cost: | | | \$49.44 | \$79.26 |
| | | | cost/quiz box | cost/quiz set |