



Main

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| Range of product | Harmony XB5 |
| Product or component type | Wireless and batteryless transmitter |
| Device short name | XB5R |
| Bezel material | Plastic |
| Mounting diameter | 22 Mm |
| Transmission frequency | 2405 MHz |
| Level or class | 5M00G7W |
| Antenna type | Omnidirectional |

Complementary

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| Max power consumption in W | 1 MW |
| Number of channels | 16 |
| Modulation Technique | O-QPSK |
| Bandwidth | 5 MHz |
| Antenna gain | 0 DBi |
| Embedding depth | 42 Mm |
| CAD overall height | 41.5 Mm |
| CAD overall width | 30 Mm |
| CAD overall depth | 43 Mm |
| Net weight | 0.025 Kg |
| Operating travel | 4.3 Mm (total travel) |
| Operating force | 10 N C/O changing electrical state |
| Mechanical robustness | Free fall resistance 1000 mm conforming to EN/IEC 60068-2-32 |
| Standards | CSA C22.2 No 14 EN/IEC 60947-1 EN/IEC 60947-5-1 UL 508 |
| Radio agreement | ANATEL ARIB T66 FCC ICASA RSS |
| Communication port protocol | Zigbee green power at 2.4 GHz conforming to IEEE 802.15.4 |
| Maximum sensing distance | 100 M in free field 25 M transmitter in a plastic box type XAL D and receiver in a metal enclosure 300 M transmitter in box type XAL D, receiver in metal enclosure and use relay-antenna |
| Acquisition time | 2 Ms |

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| Response time | < 2 ms |
| Fixing mode | Fixing nut beneath head: 2...2.4 N.m |
| Electrical composition code | PW1 |

Environment

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| Ambient air temperature for storage | -40...70 °C |
| Ambient air temperature for operation | -40...70 °C |
| Relative humidity | 95 % at -40...70 °C without condensation |
| IP degree of protection | IP30 (back face) conforming to IEC 60529 |
| IK degree of protection | IK03 conforming to IEC 50102 |
| Mechanical durability | 1000000 Cycles |
| Shock resistance | 25 gn (duration = 6 ms) for 6000 shocks conforming to IEC 60068-2-27 30 gn (duration = 18 ms) for half sine wave acceleration conforming- to IEC 60068-2-27 50 gn (duration = 11 ms) for half sine wave acceleration conforming- to IEC 60068-2-27 |
| Vibration resistance | 5 gn (f= 11...500 Hz) conforming to IEC 60068-2-6 +/- 10 mm (f= 2...11 Hz) conforming to IEC 60068-2-6 |
| Electromagnetic compatibility | Electrostatic discharge immunity test - test level: 8 kV (in free air (in insulating- parts)) conforming to IEC 61000-4-2 Electrostatic discharge immunity test - test level: 4 kV (on contact (on metal part- s)) conforming to IEC 61000-4-2 Susceptibility to electromagnetic fields - test level: 20 V/m (80...3000 MHz) con- forming to IEC 61000-4-3 Susceptibility to electromagnetic fields - test level: 6 V/m (3000...6000 MHz, dis- tance = 20 m) conforming to IEC 61000-4-3 |
| Product certifications | CSA GOST CCC C-Tick UL BT 2006/95/EC |
| Directives | 1999/5/EC - R&TTE directive 2004/108/EC - electromagnetic compatibility |

Packing Units

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| Unit Type of Package 1 | PCE |
| Number of Units in Package 1 | 1 |
| Package 1 Weight | 32.0 G |
| Package 1 Height | 5.7 Cm |
| Package 1 width | 4.5 Cm |
| Package 1 Length | 5.3 Cm |
| Unit Type of Package 2 | S02 |
| Number of Units in Package 2 | 21 |
| Package 2 Weight | 1.127 Kg |
| Package 2 Height | 15 Cm |
| Package 2 width | 30 Cm |
| Package 2 Length | 40 Cm |
| Unit Type of Package 3 | S01 |
| Number of Units in Package 3 | 42 |
| Package 3 Weight | 1.569 Kg |
| Package 3 Height | 15 Cm |
| Package 3 width | 15 Cm |
| Package 3 Length | 40 Cm |

Offer Sustainability

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| Sustainable offer status | Green Premium product |
| REACH Regulation | REACH Declaration |
| REACH free of SVHC | Yes |
| EU RoHS Directive | Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration |
| Mercury free | Yes |
| RoHS exemption information | Yes |
| China RoHS Regulation | China RoHS Declaration |
| Environmental Disclosure | Product Environmental Profile |
| Circularity Profile | End Of Life Information |
| WEEE | The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins |
| PVC free | Yes |
| California proposition 65 | WARNING: This product can expose you to chemicals including: Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov |
| Silicon free | Yes |

Contractual warranty

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| Warranty | 18 months |
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Product Life Status : **Commercialised**