

Product data sheet



Specifications



Z3GW Gateway

Main

| | | |
|---------------------------|---|---|
| Range | UEZ3 | |
| Product Name | Gateway | |
| Product or Component Type | Annex | |
| Product Model | Z3GW-W/E/G/R/U(When there are multiple communication methods at the same time, follow the above order of arrangement) | |
| Technical Performance | Device short name | Z3GW-W/WE/WG/WEG/WR/ER/GR/WEGR/WEGU |
| | Supporting communication protocols | Modbus、TCP、MQTT |
| | Output | Interface mode |
| | | Wifi wireless/RJ45 ethernet port/ 4G card slot/RS485/RS232 |
| | | Ethernet transmission rate |
| | | 10/100Mbps |
| | | 4g data transmission rate |
| | | LTE: maximum 10 Mbps (down) / maximum 5 Mbps (upstream) EDGE: maximum 236.8 kbps (down) / maximum236.8 kbps (upstream) GPRS: maximum 85.6 kbps (down) / maximum85.6 kbps (upstream) |
| | WiFi transmission power | 802.11b: 17±2dBm 802.11g: 15±2dBm 802.11n: 14±2dBm(@20Mbps) 802.11n: 13±2dBm(@40Mbps) |
| | 4g transmission power | LTE-FDD bands: 23 dBm ±2 dB LTE-TDD bands: 23 dBm ±2 dB |

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|--|---|--|
| | | EGSM900 8-PSK: 27 dBm \pm 3 dB DCS1800 8-PSK: 26 dBm \pm 3 dB EGSM900: 33 dBm \pm 2 dB DCS1800: 30 dBm \pm 2 dB |
| Input | Input voltage | DC: 11V~ 13V |
| | Standby power | \leq 100mA |
| | 4G support frequency band | LTE-FDD: B1/B3/B5/B8 LTE-TDD: B34/B38/B39/B40/B41 GSM: 900/1800MHz |
| | 4G receiving sensitivity | FDD B1: -98.0 dBm FDD B3: -98.3 dBm FDD B5: -98.5 dBm FDD B8: -98.5 dBm TDD B34: -98.5 dBm TDD B38: -98.0 dBm TDD B39: -99.0 dBm TDD B40: -98.0 dBm TDD B41: -97.5 dBm EGSM900: -109 dBm DCS1800: -108.5 dBm |
| | Wifi receiving sensitivity | 802.11b: \geq -89dBm@PER \leq 8% 802.11g: \geq -75dBm@PER \leq 10% 802.11n: \geq -72dBm@PER \leq 10% 802.11n: \geq -68dBm@PER \leq 10% |
| EMC immunity (overall testing of supportig circuit breakers) | Electrostatic discharge test | Referring to GB/T 17626.2-2008. Severity level 3. Air discharge: 8Kv; Contact discharge: 6kV. |
| | Surge test | Referring to GB/T 17626.5-2008. Severity level 4. Common mode: 4kV; Differential mode: 2kV. |
| | Electrical fast transient pulse group immunity test | Referring to GB/T 17626.4-2008. Severity level 4. Power terminal 4kV(peak value), I/O signal, data, and control ports 2kV(peak value). |

Complementary

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|------------------|----------|------|------|------|------|------|------|-------|-------|
| Mounting Support | DIN rail | | | | | | | | |
| Height | 60mm | | | | | | | | |
| Width | 18mm | | | | | | | | |
| Depth | 90mm | | | | | | | | |
| Net Weight | Z3GW | Z3GW | Z3GW | Z3GW | Z3GW | Z3GW | Z3GW | Z3GW | Z3GW |
| | -W | -WE | -WG | -EWG | -WR | -ER | -GR | -WEGR | -WEGU |
| | 45g | 48g | 60g | 63g | 50g | 52g | 64g | 67g | 67g |

Environment

| | |
|---------------------------------------|---|
| Pollution Degree | 2 |
| EMC Degree | 3 |
| Relative Humidity | Annual average: <75%, 30 days (these days are naturally distributed throughout the year): 95%; Accidental appearance on other days: 85% |
| Ambient Air Temperature for Operation | -25...70 °C (monthly average temperature ≤ 35°C) |
| Ambient Air Temperature for Storage | -40...80 °C |
| Working Altitude | not exceeding 2000m |

Packaging Unit

| | Z3GW | Z3GW | Z3GW | Z3GW | Z3GW | Z3GW | Z3GW | Z3GW | Z3GW |
|------------------------------|---------|--------|--------|--------|--------|--------|--------|--------|--------|
| | -W | -WE | -WG | -EWG | -WR | -ER | -GR | -WEGR | -WEGU |
| Unit Type of Package 1 | BB1 | | | | | | | | |
| Number of Units in Package 1 | 11 | | | | | | | | |
| Package Height 1 | 8.2cm | | | | | | | | |
| Package Width 1 | 10.0cm | | | | | | | | |
| Package Length 1 | 22.0cm | | | | | | | | |
| Package Weight 1 | 0.59kg | 0.62kg | 0.75kg | 0.78kg | 0.64kg | 0.66kg | 0.79kg | 0.83kg | 0.83kg |
| Unit Type of Package 2 | BAR | | | | | | | | |
| Number of Units in Package 2 | 132 | | | | | | | | |
| Package Height 2 | 24.8 cm | | | | | | | | |
| Package Width 2 | 22.3 cm | | | | | | | | |
| Package Length 2 | 40.5cm | | | | | | | | |
| Package Weight 2 | 7.8kg | 8.2kg | 9.8kg | 10.2kg | 8.5kg | 8.7kg | 10.3kg | 10.7kg | 10.7kg |

Offer Sustainability

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|------------------------------------|-------------------------------|
| EU RoHS Directive | Compliant EU RoHS Declaration |
| Mercury Free | Yes |
| China RoHS Regulation | Yes |
| Products Outside the Scope of ROHS | Yes |
| Control in China | |
| RoHS Exemption Information | Yes |