

EC-Declaration of conformity

Artists in data communication

According to the provisions of the 1999/5/EC Directive, covering all essential requirements (EMC-Directive):

Korbeek-Lo, November 5, 2012

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herewith take the sole responsibility to confirm that the product:

GSM/ GPRS Modem : InduBox GSM IX

which refers to this declaration is in accordance with the following standards or standardized CE/EMC :

Standard CE + **TST25-3 (additional extended immunity tests)**

EN61000-3-2	Electromagnetic compatibility, part 3, section 2 Limits for harmonic current emissions.
EN61000-3-3	Electromagnetic compatibility, part 3, section 3 Limitations of voltage fluctuation and flicker.
EN55022	Limits and methods of measurement of radio disturbance characteristics of ITE-equipment. EN55022 class B limits (AV - QP) Radiated <u>emission</u> : 0.15 - 1000 MHz Conducted <u>emission</u> (CISPR16) : 0.15 - 30 MHz
EN61000-4-2	Electromagnetic compatibility, part 4, section 2 Electrostatic discharge immunity test CISPR24: 4 KV contact / 8 KV air TST 25-3 : 8 KV contact (20 +/- contacts) / 15 KV air (20 +/- discharges)
EN61000-4-3	Electromagnetic compatibility, part 4, section 3 Radiated fields immunity test. CISPR24: 10 V/m, 80 - 2000 Mhz, 80%AM 1kHz, 1% freq step, 1s dwell TST 25-3: 30 V/m, 80 - 2000 Mhz, 80% AM 1kHz, 1% freq step, 1s dwell
ENV50204	Electromagnetic compatibility, Basic immunity standard, Radiated Electromagnetic field from digital radio telephones immunity test. CISPR24: 10 V/m, 890 – 2400 MHz, 1% freq step, 1s dwell, keyed carrier:50% duty, repetition freq.: 200 Hz TST 25-3 : 30 V/m, 890 – 2400 MHz, 1% freq step, 1s dwell, keyed carrier:50% duty, repetition freq.: 200 Hz
EN61000-4-4	Electromagnetic compatibility, part 4, section 4 Electrical fast transient/burst immunity test CISPR24: 0.5 KV and 1 KV 5/50 ns, 5 Khz rep. freq on AC mains TST 25-3 : 2 KV and 4 KV 5/50 ns, 5 Khz rep. freq on AC mains
EN61000-4-5	Electromagnetic compatibility, part 4, section 5 Surge immunity test CISPR24: 10 pulses 1 KV 1,2/50 µs (5+ 5-) on AC mains. TST 25-3 : 10 pulses 6 KV 1,2/50 µs (5+ 5-) on AC mains
EN61000-4-6	Electromagnetic compatibility, part 4, section 6 Immunity to conducted fields test CISPR24: 3 V, 0.15 MHz - 80 MHz, AM 80% at 1 Khz on mains TST 25-3 : 10 V, 0.15 MHz - 80 MHz, AM 80% at 1 Khz on mains
Magnetic fields	Applied on all accessible surfaces 1000 At (ampere turns) – 1A on 1000 turns
EN61000-4-8	Electromagnetic compatibility, part 4, section 8 Power frequency magnetic field immunity test. CISPR24 levels
EN61000-4-11	Electromagnetic compatibility, part 4, section 11 Voltage dips, short interruptions and voltage variations immunity test. CISPR24 levels
EN61000-4-18	Oscillatory waves 1 MHz 2,5 KV, rep rate 400 Hz applied on mains in common mode 100 Khz 2,5 KV, rep rate 40Hz applied on mains in common mode 1 MHz 1KV, rep. Rate 400 Hz applied on mains in differential mode 100 MHz 1KV, rep. Rate 40 Hz applied on mains in differential mode
EN55024	Performance criteria for immunity tests
EN61000-6-3	Performance criteria for emission tests