



## Communication Controller Iridium Server

iRidium is a unique software package to visualize and control any Automation Systems (for iPad, iPhone, Android, Mac, Windows). This software radically upgraded to iRidium Server and now is able to work on-Board intelligent controller based on open Linux operating system in the 24x7x365

Software pre-installed (trial 60 days):

- Up to 50 panels
- Up to 65 000 points
- All drivers and modules are included
- Activated automatically

A standard KNX interface supported by iRidium allows to begin work with the KNX environment.

OS Linux uses Kernel 3.10.17.

Update, upgrade and recovery procedures specified.

### Details:

- High performance
- iRidium Server pre-installed
- Full support KNX twisted pair networks, direct connection to KNX environment
- Ethernet 100 Mb/s
- Wide range supply non-polar DC voltage
- Built-in diagnostic system and restore utilities for emergency situations



**Technical Specification:**

| <b>Controller</b>                        |   |
|--|---|
| CPU                                      | ARM Cortex-A9 1GHz  |
| RAM                                      | 512 MB DDR3   |
| Memory                                   | 2GB NAND executable code and data + 4/8GB microSD (up to 128MB)   |
| <b>Communication ports and protocols</b> |   |
| KNX Black&RED (KNX TP1–256)              | 1   |
| 10BASE-T / 100BASE-TX (Ethernet, 8P8C)   | 1   |
| USB A (2.0)                              | 1   |
| Serial (for factory support only)        | 1   |
| Protocols supported                      | HTTP, KNX, 100BASE-TX   |
| <b>Power</b>                             |   |
| Power supply                             | Non-polar DC 12 ... 30V   |
| Wattage rating                           | 2,5 W   |
| <b>Local management</b>                  |   |
| Indicators                               | Power; BUS; RxT; TxT  |
| Keys (programmable)                      | Multi-functional (FNC); Reset (RST)   |
| <b>Operation</b>                         |   |
| Operating temperature                    | 0 ... +40 °C  |
| Storage temperature                      | -10 ... +50 °C  |
| BOX                                      | IP 20, DIN 40050  |
| Safety                                   | galvanic isolation KNX and Ethernet buses, isolation DC-DC, static electricity and input overvoltage protection |
| <b>Construction</b>                      |   |
| Kopnyc (no DIN 43880)                    | DIN 43880, 4 modules  |
| Size                                     | 92x70x65 mm   |
| Weight                                   | 0,2 kg  |
| Material                                 | Plastic   |
| <b>Warranty</b>                          |   |
| 1 year limited warranty                  |   |

A detail technical information presented:

[www.umctec.ru](http://www.umctec.ru)

[www.iridiummobile.ru](http://www.iridiummobile.ru)

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