# GTMcom
## UTS-M401

**4-Ports USB to SERIAL**
**RS232/422/485**
**UTS-M401**

⚠ **4 kV RMS ISOLATION**    **15 kV ESD PROTECTION**    **BAUD RATE & PORT MONITOR**    **www.gtmcom.com**

## TECHNICAL DATA SHEET

UTS-M401 is designed for use in the toughest environments with its robust body structure and high quality components. UTS-M401 allows you to access 4 isolated serial communication ports with a single USB connection without the need for an external power supply. It is possible to find and display the speed of your communication source with a single button.(BRM) UTS-M401 also enables users to switch inbetween ports and adjust the communication protocol with the user friendly buttons and screen.



### Product Features
- All serial ports and USB port isolated from each other
- 4000 V RMS isolation for all ports
- Automatic Baud Rate Detection (Detecting input port baud rate)
- Baud Rate and Port Monitoring (Displayed on the screen)
- Supports hardware and software flow control (RTS/CTS)
- Supports all modem control signals (RI/DCD/DTR/DSR)
- Max Data Rate up to 1 Mbps in RS-232, 2 Mbps in RS-422/485 Modes
- Half/Full Duplex
- Enhanced Failsafe for open, shorted or terminated but idle inputs
- Allows up to 256 devices on a single comm bus (1/8th unit load)

## Strong Insulation Structure

All input and output ports are isolated from each other and the power supply to ensure the protection of the Talkers and Listeners. UTS-M401 provides 4kV RMS isolation for each port. Thus, when any serial communication source is exposed an electrical surge, you can still continue to using all other communication ports without any problems.

### Typical Applications
- Sensor communication and control systems,
- HVAC control and automation equipments,
- Building security and automation equipments,
- Industrial computers, networking equipments,
- Weather Stations, meteorological sensor control equipments,
- Industrial automation equipments, (PLC, HMI, I/O etc.)
- CNC milling and router communications,
- Oil and Gas Networking and KVM Control,
- PDAs, scanners, modems, card readers, pole displays,
- Point of sale equipments, cash dispensers,
- Touch screen monitors, bar-code scanners, receipt printers.
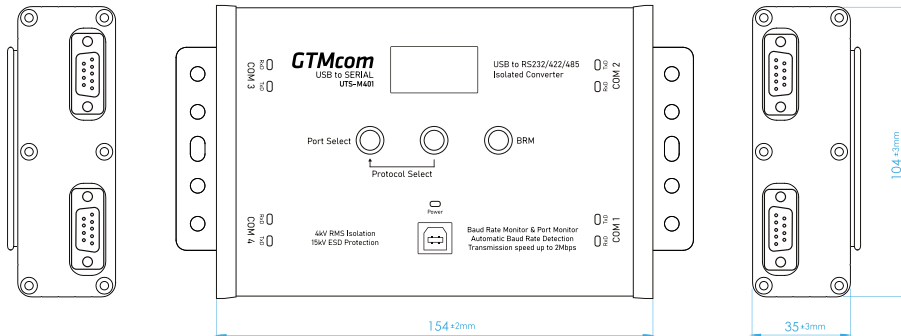
## Baud Rate Monitor & Port Monitor



The BRM system of UTS-M401 finds the speed of communication sources even those that are previously unknown by the user. Regardless of the communication protocol, you can find the serial communication speed of your device and display both the communication speed and data flow by using the buttons.
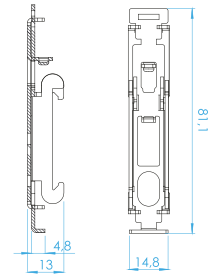
## Easy Configuration

Unlike conventional products, you do not need dipswitches and complex combinations to configure the UTS-M401. You can easily set your desired communication protocol with two keys and a user-friendly screen. You can access all the required pins through the DB9 connector on the product.

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## DIMENSIONS

**UTS-M401**



**DIN RAIL MOUNTING KIT (OPTIONAL)**



## SPECIFICATIONS

| Overview | |
| --- | --- |
| Product Type | 4 Port Isolated USB to SERIAL |
| Port Connections | 4x DB-9 Male / USB Type-B Female |
| USB Standart | 1.1 and 2.0 compatible |
| Isolation | 4 kV RMS Isolation |
| Protection | 15kV ESD Protection |
| Protocol | RS232 / RS422 / RS485 |
| OS Support | Windows XP, Vista, 7, 8 and 10, Linux, Mac |
| **Mechanical / Enviromental** | |
| Dimensions | 154±2mm(L)x104±3mm(W)x35±3mm(H) |
| Enclosure | Aluminum 6060, Rubber Bumpers |
| Color | Black |
| Temperature Range | -40 to +85 °C (-40 to +185 °F) |
| Mount Options | Din-Rail Mountable, Surface Mount, Wall Mount |
| **Serial** | |
| Baud Rates | 300 bps to 2 Mbps |
| Parity | Odd, Even, Set, Mark and None |
| Data Bits | 5, 6, 7, and 8 |
| Stop Bits | 1, 1.5, and 2 |

## ORDERING INFORMATION

| Product Overview | |
| --- | --- |
| Model Number | UTS-M401 |
| Packing List | UTS-M401 4-Port USB to Serial, 1 mt USB Type B Cable, Paper Manual |
| Optional Accessories | DIN Rail Mounting Part |

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