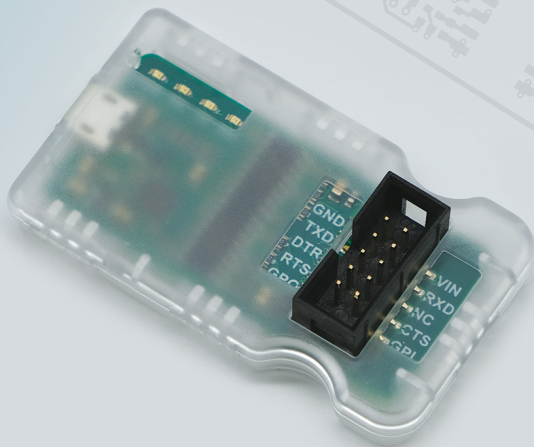




μArt

*Isolated, auto-level USB-UART adapter for 1.8 – 5.4 V systems.
Versatile, robust, reliable.*

Why another UART adapter?

Despite the general usefulness of USB-UART converters, current solutions lack in one or more of voltage support, handshaking signals, protections and isolation. Quality and reliability issues further add to the problems. Pins float, the slightest mistakes easily damage expensive equipment, the adapters often fail and require replacement, and there are latches, freezes, and data errors. For these reasons, engineers traditionally use a collection of converters to cover the needed voltage ranges and to get all the needed pins, and they need multiple versions of each to get galvanic isolation, to work around quirks, or to function as backups. The end result is a largely redundant collection of devices that requires careful handling, and costs time and nerves.

Higher standards for all

There is a need for an adapter that addresses typical problems of UART boards that plague both new and experienced engineers. Industry professionals want a device they can depend on so they can focus on their work without having to second-guess and debug their tools. Meanwhile, hobbyists and students, who make mistakes more easily, greatly benefit from a device that reliably isolates faults, and prevents damage to surrounding equipment. These are common requirements for other lab tools, but have for some reason evaded USB-UART adapters for a long time.

Ordering and contact:

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Manufacturer:

Signoid Kft.

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The μ Art

The μ Art is the first versatile, robust, and reliable USB-UART adapter for TTL signals that is suitable for professional use, while at the same time being affordable enough even for hobbyists. The μ Art has all the pins and features to enable a large range of applications, has protections to withstand, isolate or even prevent faults, and means to preserve signal integrity. It replaces most, if not all, serial TTL converters with a single quality piece that is even safer and easier to use.

The galvanic isolation of the μ Art protects hosts not only from incompatible voltage levels, but from supply shorts, reverse-current and over-current conditions. It eliminates disturbances for low-noise circuits and cuts ground loops, thereby allowing safe DUT probing.

Key features:

- **Versatile**
Wide 1.8 -5.4 V working voltage, 3Mbaud speed, standard and non-standard baud rates, hardware handshaking and GPIO pins, low noise, Windows/Mac/Linux support.
- **Reliable**
Up to 400 V galvanic isolation, built-in pullups, integrated power- and signal-filters.
- **Robust**
IO over-current protection, reverse polarity protection, multi-level ESD protection, custom protective enclosure.
- **Easy-to-use**
Auto voltage-sensing, status LEDs, software-configurable, labelled cables, worry-free DUT probing.



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