

The icCON series of signal converters includes a variety of configurations to satisfy a wide range of signaling requirements. Ingenicomm's modular electrical and mechanical design paradigm allows for off-the-shelf customization to fulfill the unique requirements of individual programs. icCON converters are available in configurations ranging from stand-alone single-channel converters to fully integrated 1U rack-mount chassis supporting up to four channels.



The icCON provides two signal conversion functions, a TTL to RS-422 signal level conversion and an RS-422 to TTL signal level conversion. Each converter configuration is equipped with internal power supplies supporting 110 and 220 VAC for ease of installation and cabling. The converters provide I/O interface ports directly on each module, eliminating the need for breakout cables or adapters.

Highly customizable solutions

Compact and efficient design

Integrated internal power supplies

Fully independent channel operation

icCON-TTL

- Conversion from TTL to RS-422
- Converts single-ended signals to differential signals
- Coax BNC input connections for DATA and CLOCK
- Triax BNC connectors for output or DATA and CLOCK
- Supports rates up to 35 Mbps

icCON-RS422

- Conversion from RS-422 to TTL
- Converts differential signals to single-ended signals
- Triax BNC input connections for DATA and CLOCK
- Coax BNC connectors for output or DATA and CLOCK
- Supports rates up to 35 Mbps

Additional Conversion Capabilities

- RS-422/TTL to ECL
- RS-422/TTL to Fiber
- RS-422/TTL to Ethernet
- RS-422/TTL to LVDS
- ECL to LVDS
- ECL to Ethernet
- Fiber to Ethernet
- ECL to Fiber

Ingenicomm specializes in the standardization of ground network elements, enabling interoperability while providing customized solutions to meet the unique requirements of individual missions. For more information, or to request a price quote, please contact us at info@ingenicomm.net or at +1-703-943-7236.