



icITS-30-PORT

RUGGEDIZED INTEGRATED TEST SET

Full range of serial and network I/O options

Built-in recorder and reproducer

Comprehensive scripting and remote management support

Compact, integrated unit is designed for easy airline transport

The icITS-30-PORT Ruggedized Integrated Test Set represents the next generation of ground system verification and validation equipment. Combining a powerful and compact portable system with Ingenicomm's revolutionary and highly optimized Configurable Ground Systems (CGS) software suite, the icITS-30-PORT delivers a full range of data simulation and verification, error simulation, and path measurement and analysis capabilities at channel rates up to 25 Mbps.

The icITS-30-PORT provides four fully independent RS-422 or TTL serial I/O channels, up to two Gigabit Ethernet ports, and selectable IRIG-B or NTP time reference inputs. The system includes fully integrated scripting support (including native Tcl, Perl, and Python interfaces), configurable data archiving and archive analysis capabilities, and a range of monitor and control interfaces (including



local and remote CLI, standard web-accessible GUI, and SNMP v2/v3). The icITS-30-PORT may be deployed with either Red Hat® Enterprise Linux 6.2 or Microsoft® Windows 7 Professional to ensure compliance with site security requirements.

DATA SIMULATION & VERIFICATION

- CCSDS conventional and AOS telemetry
- CCSDS telecommand
- TDM telemetry
- Standard or arbitrary PRBS
- User-provided patterns and files

MEASUREMENT & ANALYSIS

- Point-to-point latency
- Round-trip latency
- Multi-channel phase delay
- BER and PER statistics

ERROR SIMULATION

- Bit- and block-level errors
- Burst or repeating error conditions
- Gaussian or user-specified noise

The icITS-30-PORT is packaged in a hard-sided carry case suitable for airline transport, with an integrated 17" display, keyboard, and mouse. Custom configuration options are available on request.

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.

All specifications are subject to change without notice – Not all features available in all models

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