

# ED-137 Gateway

TC1925

- 4-channel ED-137 compatible gateway
- 2-Wire or 4-Wire E&M
- Dry contact I/O with Isolated Ground
- EUROCAE ED137 Standard
- G.711 u/A-Law, G.729A compatible
- Troubleshooting at a glance, full LED based diagnostic and status monitoring
- Built-in Power Redundancy
- Rack Mount or Stand Alone



Front panel view



Rear panel view

The TC1925 is a Radio over IP Gateway that converts 4-wire E&M to EUROCAE-standard ED-137. It is economical, simple to install and comes standard with built-in power redundancy.

Available hardware configurations:

- 2-Wire/4-Wire E&M 600Ω Analog
- FXS
- FXO

Setup, diagnostics, and management are accessed via Web, Serial Console, and Telnet/SSH. Diagnostics include LED indicators and local/remote loopback.

Power options are 12VDC, 24VDC, -48VDC, 125VDC, or 115/230VAC. The TC1925 can be ordered in optional high temp -20 to +70°C or Extreme temp (-40 to +80°C) versions.

In addition to stand alone, the TC1925 can also be used in our 4U or 1U card cage chassis for rack mounting flexibility.



## Applications

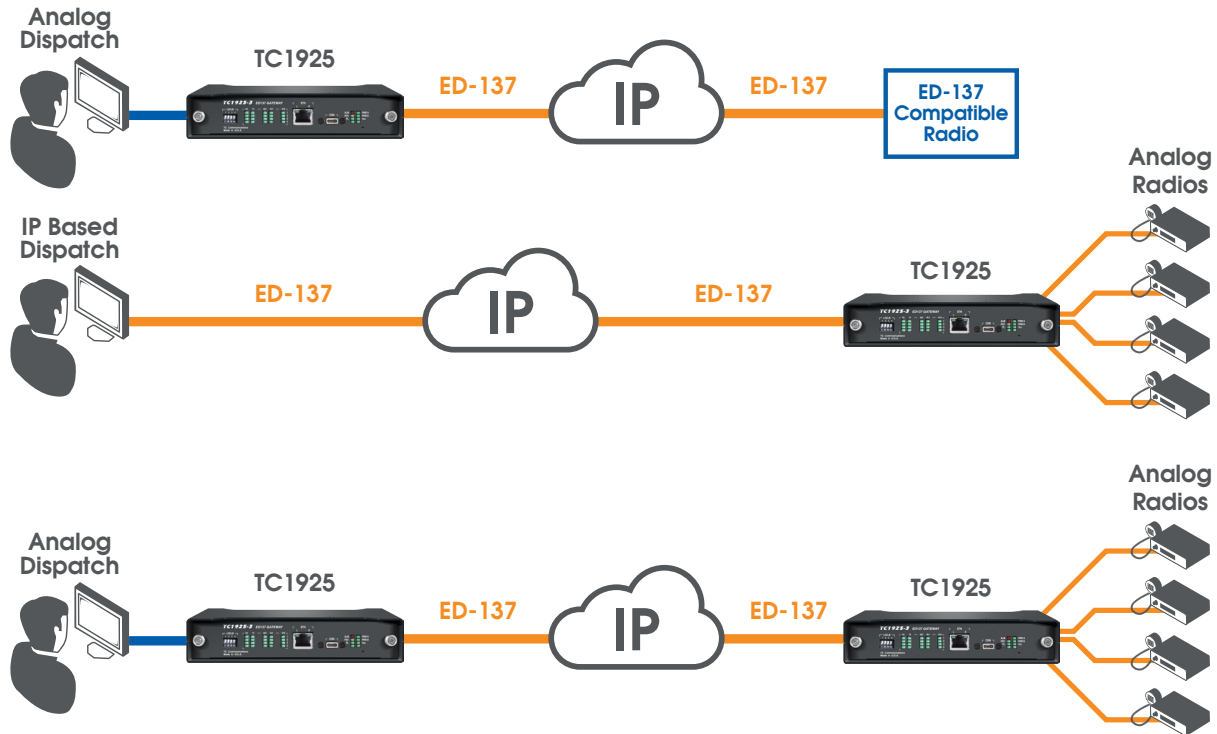
A flexible gateway providing compatibility and interoperability with ED-137 compatible systems and devices.

The TC1925 allows legacy analog devices to be connected, ensuring seamless migration of analog devices to a fully compatible ED-137 environment.

Up to 4 channels of 4 wire or 2 wire E&M can be used with simple setup and TC Communications unmatched reliability.

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Typical Applications using the TC1925 ED-137 Gateway

**Connection Capacity**

- 600Ω (2/4 Wire) .....4 Ports
- Dry Contact .....4 Ports
- GigabitEthernet ..... 1 Port

**Electrical**

- Analog Interface**
- Impedance .....600Ω
  - Max Input..... 3Vp-p
  - Frequency band ..... 300 to 3400Hz
  - Output signal lvl...-36.5 to +4.5 dBm
  - Connector ..... RJ45
- Dry Contact Interface**
- Normally open ..... Standard
  - Normally close ..... Optional
  - Detector
  - Max input voltage.....9V
- Relay**
- Max Load Voltage .....60V
  - Continuous load current..... 0.55A
  - Peak load current..... 1.2A
  - Max On Resistance .....2.5 Ω
  - Output Capacitance ..... 150pF
  - Connector ..... RJ45
- Ethernet Interface**
- Standards ..... IEEE 802.3
  - Connector ..... RJ45
- Serial Console Interface**
- Connector ..... USB-C

**Visual Indicators**

- System ..... PWR A, PWR B, Vcc,
- .....ALM, PDV, PL
- Analog ..... TX, RX, SYN
- Dry Contact.....RLY, DET
- Ethernet.....L, D

**Alarm**

- Dry Contact.....Normally Open/Closed

**Power**

- Standard ..... 12VDC @200mA
- Optional..... 24VDC, -48VDC, 125VDC,
- .....or 115/230VAC w/ power cube
- Power Consumption..... <10W

**Temperature**

- Operating ..... -10°C to 50°C
- Hi-Temp (optional) ..... -20°C to 70°C
- Extreme (optional) ..... -40°C to 80°C
- Storage..... -40°C to 90°C
- Humidity .....95% non-condensing

**Physical**

- Height .....(3.18cm) 1.25"
- Width .....(15.06cm) 5.93"
- Depth .....(21.84cm) 8.60"



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TC Communications Quality Management System is certified as being in conformity with ISO 9001:2015 by Intertek



Note: Information contained in this data sheet is subject to change without prior notice.