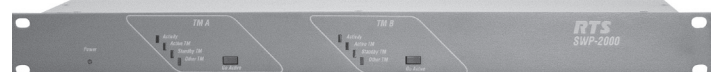# RTS Intelligent Trunking Components

## TM-10K



TM-10K Trunk Master



ICP-2000 Interconnect Panel



SWP-2000 Switch Over Panel

TM-10K is the next generation in RTS Trunk Masters. The RTS Trunking System manages communications between separate intercom systems using intercom ports reserved and connected between the intercom systems. Keypanels or other data devices can communicate with various destinations in other intercom systems via the reserved intercom ports. (This is different from bus expansion, in which the bus system of two (2) or more frames are interconnected to form one (1) system with decentralized hardware.)
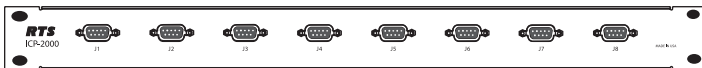
The RTS Trunking System consists of a TM-10K which supports trunking data through Ethernet. In addition, the TM-10K supports legacy RS-485 data, which utilizes up to four (4) 8-port ACCES I/O RS-485 PCIe serial cards, in conjunction with ICP-2000 Interconnect Panels, depending on the number of intercom systems to be connected serially. A backup TM-10K may also be added to prevent downtime in the event of a failure of the main master control unit. The TM-10K replaces the TM-2000 Trunk Master and MTM-2000 Mini-Trunk Master.
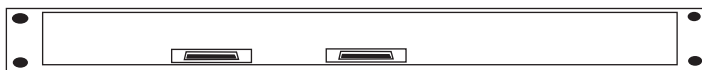
## Features

- Supports configurations from 2 to 255 intercom systems with 10,000 assignable trunk lines.

- Includes dual AC power supplies for full redundancy in mission critical applications.

- Supports dual 10/100/1000Mbps Ethernet connections for redundant or segregated network topologies.

- Supports geographically separated Trunk Masters for disaster recovery planning.

- Ethernet and RS-485 trunk data connections are both supported.
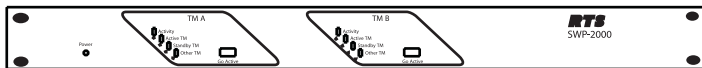
## Line Drawings
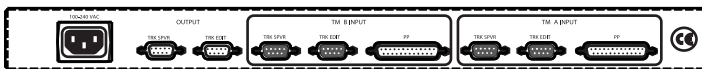
Front view



Rear view
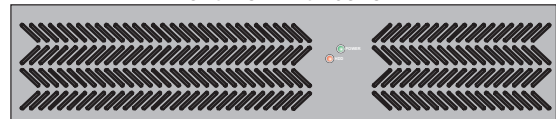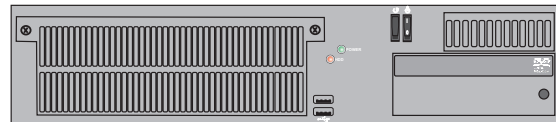


ICP-2000 Interconnect Panel

Front view



Rear view



SWP-2000 Switch Over Panel

Front view with cover



Front view without cover



Rear view



TM-10K Trunk Master

# Specifications

**TM-10K**
Height: 3.5in (88.9mm) [2RU]
Width: 17in (431.8mm)
Depth: 18.5in (469.9mm)
Weight: 28.65lb (13kg)[1]
Input Voltage: 100–240VAC, 47–63Hz, 6–3A
Maximum Power Consumption: 120VA

**SWP-2000**
Height: 1.75in (44mm) [1RU]
Width: 19.0in (483mm)
Depth: 5.3in (133mm)
Weight: 4.60lb (2.08kg)
Input Voltage: 100–240VAC, 47–63Hz, 0.4A

**ICP-2000**
Height: 1.75in (44mm) [1RU]
Width: 19.0in (483mm)
Depth: 1.0in (25.4mm)
Weight: 0.85lb (0.40kg)

**Environment**
Operating Temperature: 0°C to 40°C (32°F to 104°F)
Operating Humidity: 5 to 90%, non-condensing
Storage Temperature: -20°C to 70°C (-4°F to 158°F)
Storage Humidity: 15 to 90%, non-condensing

**Certifications**
CE, UL 60950-1

1 The weight is based upon a unit with one (1) RS-485 PCIe card installed.

# Order Information

TM-10K • TM-10K • TM10K Trunk Master (*Includes Trunk Edit software)
ICP-2000 • ICP-2000 • Interconnect panel
SWP-2000 • SWP-2000 • Redundancy status display panel
RS485 Data Card • RS485 • Acces IO Card RS485 (*Includes RS485 adapter cable)
RT-2M • RT-2M Rapid Test • Rackmount Audio Test Set
Trunk Supervisor software—contact local sales for order information

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