RTS™

TECHNICAL DATA SHEET

ARCHITECTURAL & ENGINEERING SPECIFICATIONS

The system shall be capable of linking multiple ADAM and ADAM CS systems together via trunked audio ports. The system shall be capable of redundant operation. Software shall be provided with the basic system interface unit for setup and monitoring of trunks. A software package capable of advanced monitoring function shall also be available at an additional cost.

TM-2000

Height: 7.0" (177mm)
Width: 19.0" (483mm)
Depth: 18.5" (470mm)
Weight: 48.7 lbs (22.1 kg)
Power: 115/230VAC (switch selected), 50/60 Hz, 2.6A

SWP-2000

Height: 1.75" (44mm)
Width: 19.0" (483mm)
Depth: 5.3" (133mm)
Weight: 5.2 lbs (2.4 kg)
Power: 100-240 VAC, 47-63 Hz, 0.4 A

ICP-2000

Height: 1.75" (44mm)
Width: 19.0" (483mm)
Depth: 1.0" (25.4mm)
Weight: 5.2 lbs (2.4 kg)

Environment

Operating Temperature: 0°C to 50°C
Storage Temperature: -20°C to 75°C
Humidity: 0 to 95% non-condensing

Approvals

UL, FCC, CE

PLEASE CONTACT US

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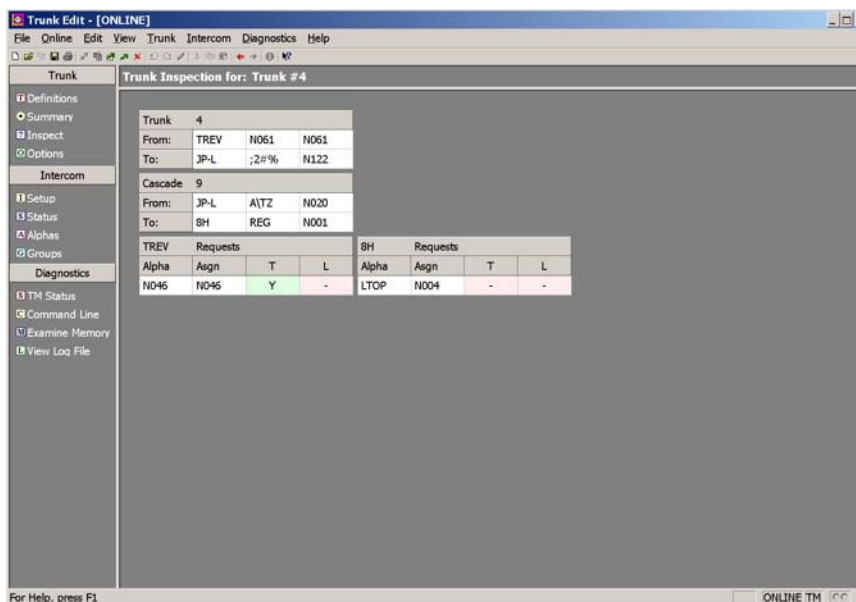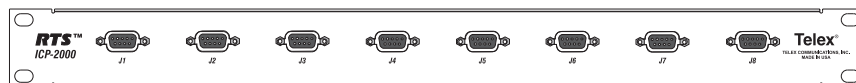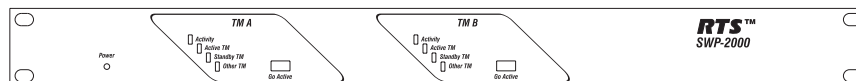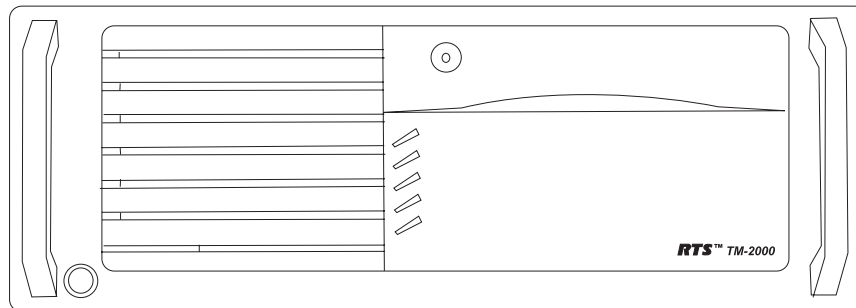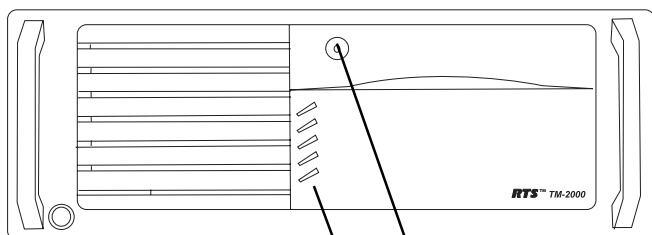## TRUNKING OVERVIEW

The RTS™ Trunking System manages intercommunications between separate intercom systems using intercom ports that have been reserved and interconnected between the intercom systems. Keypanels or other data devices can then communicate with various destinations in other intercom systems via the reserved intercom ports.

The RTS™ Trunking System consists of an RTS™ Model TM-2000 and one or more RTS™ Model ICP-2000 Inter-Connection Panels, depending on the number of intercom systems to be trunked. A backup TM-2000 may also be added to the system to prevent downtime in the event of a failure of the main master control unit. When both main and backup control units are used, an RTS™ Model SWP-2000 Switchover Panel is also required. The TrunkEdit software package, included with the TM-2000 Trunk Master, is used to configure and monitor the trunking system. An additional advanced monitoring software package called TrunkSupervisor is also available at an additional cost.

With Security Cover

Without Security Cover

Front Panel Features

1. Status indicators for power, hard drive, fan, system temperature.
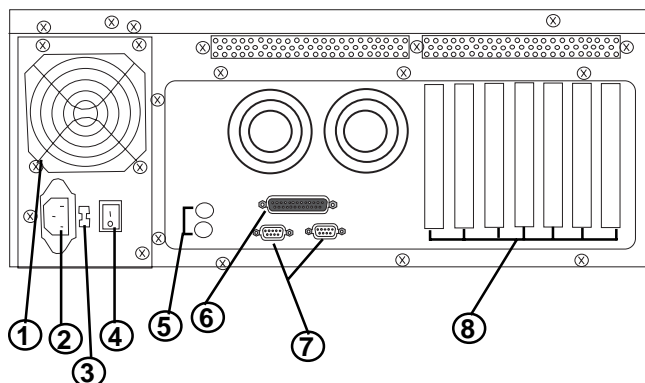2. Front security panel lock.
3. Cooling fan.
4. Power switch (front).
5. System reset switch.
6. Status indicators (from top to bottom): Power, Hard Disk, Fan Failure, Over Temperature 1, Over Temperature 2.
7. Floppy drive.*
8. System over temperature alarm silence switch.
9. CD-ROM drive.*

   ***Used only for factory service.**

Rear Panel Features

1. Power supply fan.
2. AC power connector.
3. AC voltage selector switch.
4. Power switch (rear).
5. Keyboard and mouse connectors.*
6. Parallel port connector. See note below.
7. Serial (COM) port connectors. See note below.
8. Card slots containing: (a) RS-485 communication card(s) using SCSI type II connector. See note below.
   (b) Networking connector using RJ-45 connector. See note below. (c) Video monitor connector* using 15 pin D-Sub connector.
   ***Used only for factory service.**

Note: The exact location of cards and connector designations can vary from unit to unit. The diagram provided is for general feature locations only. Follow the designated labels found on your particular unit(s).
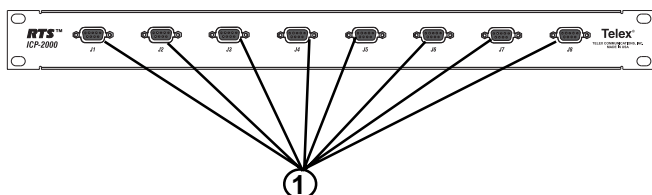
Front Panel Features

1. 9-pin female D-Sub connector. Each connector is dedicated to an RS-485 communications port carried on the SCSI type II cable from the TM-2000.
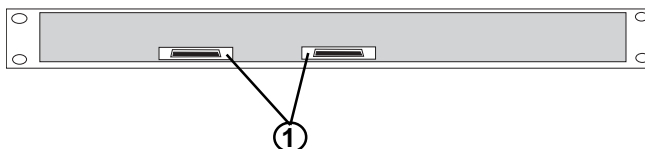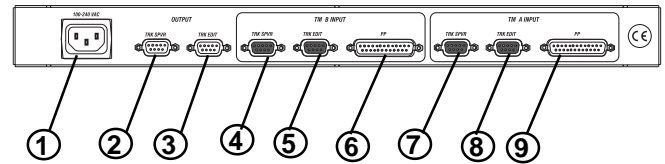
Rear Panel Features

1. SCSI type II connectors. These are wired in parallel, so it does not matter which connector is used with a TM-2000 even in redundant systems. The SCSI type II cables are included with the TM-2000 or with an add-on RS-485 port card for the TM-2000.
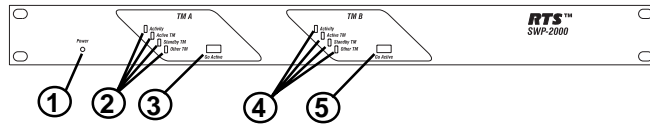
Front Panel Features

1. Power LED. Indicates that the SWP-2000 has power.
2. TM A Status LEDs. Indications for: Activity, Active TM, Standby TM, Other TM. The Activity LED indicates activity on the TM-2000 associated with the TM A inputs. Active TM LED indicates which TM-2000 (either A or B) is active. Standby TM LED indicates which TM-2000 (either A or B) is in standby. Other TM LED indicates green if TM B is talking, red if not, and off if the system is not configured for a backup TM-2000.
3. TM A Go Active control switch. Forces the TM-2000 associated with the TM A inputs to become the active trunk master.
4. TM B Status LEDs. Indications for: Activity, Active TM, Standby TM, Other TM. The Activity LED indicates activity on the TM-2000 associated with the TM B inputs. Active TM LED indicates which TM-2000 (either A or B) is active. Standby TM LED indicates which TM-2000 (either A or B) is in standby. Other TM LED indicates green if TM A is talking, red if not, and off if the system is not configured for a backup TM-2000.
5. TM B Go Active control switch. Forces the TM-2000 associated with the TM B inputs to become the active trunk master.
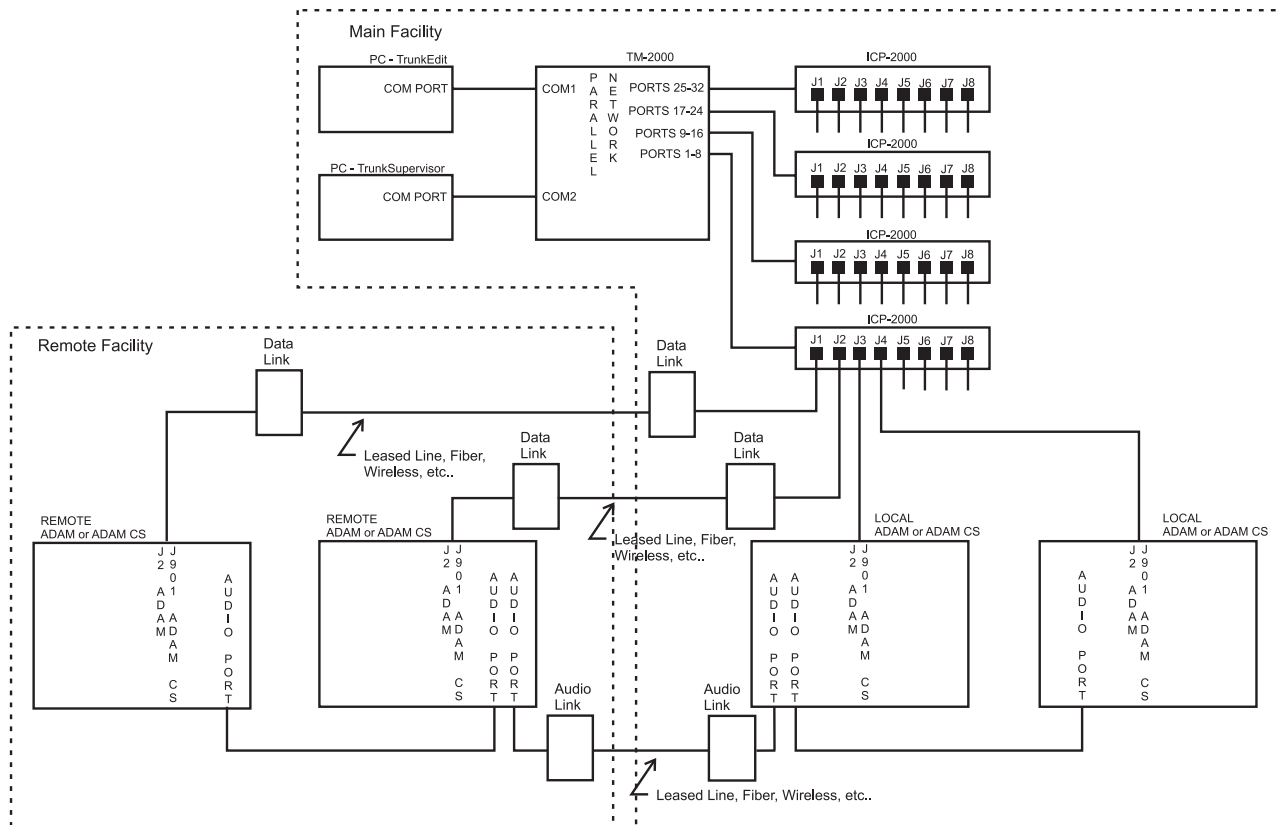
Rear Panel Features

1. AC power.
2. TrunkSupervisor connector. Provides connection to the COM port of the external PC running TrunkSupervisor software.
3. TrunkEdit connector. Provides connection to the COM port of the external PC running TrunkEdit software
4. Trunk Master A TrunkSupervisor connector. Connects to COM port 2 of the TM-2000 assigned to be Trunk Master A.
5. Trunk Master A TrunkEdit connector. Connects to COM port 1 of the TM-2000 assigned to be Trunk Master A.
6. Trunk Master A parallel port. Connects to parallel printer port of the TM-2000 assigned to be Trunk Master A. Provides control from the SWP-2000 to the TM-2000 and LED status monitoring of the TM-2000 on SWP-2000 front panel.
7. Trunk Master B TrunkSupervisor connector. Connects to COM port 2 of the TM-2000 assigned to be Trunk Master B.
8. Trunk Master B TrunkEdit connector. Connects to COM port 1 of the TM-2000 assigned to be Trunk Master B.
9. Trunk Master A parallel port. Connects to parallel printer port of the TM-2000 assigned to be Trunk Master A. Provides control from the SWP-2000 to the TM-2000 and LED status monitoring of the TM-2000 on SWP-2000 front panel.

Model	Part Number	Description
TM-2000	90007715000	Trunk Master Controller
SWP-2000	90007716000	Switch Over Panel
ICP-2000	90007721000	Interconnection Panel

Example System diagram showing Main Facility and Remote Facility with TM-2000, ICP-2000 units, PC-TrunkEdit, PC-TrunkSupervisor, ADAM or ADAM CS units, Data Links and Audio Links connected via Leased Line, Fiber, Wireless, etc.

Example Redundant System diagram showing Main Facility with SWP-2000, dual TM-2000, ICP-2000 units, and Remote Facility with ADAM or ADAM CS units connected via Data Links and Audio Links over Leased Line, Fiber, Wireless, etc.