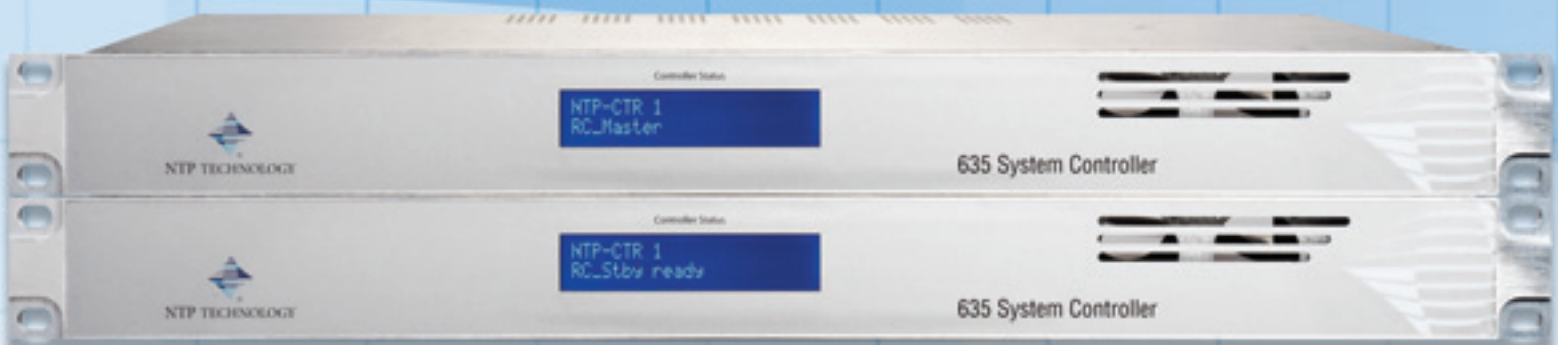


# 635 System Controller



The NTP 635 System Controller serves as a high performance, compact 1U 19" rack mount ruggedized PC system for system controller applications, controlling any size of NTP router system.

The NTP System Controller has a full complement of PC features, including dual Ethernet for interconnection of two 635 System Controllers forming a redundant controller set-up.

The 635 System Controller chassis has a modular construction, allowing the PC mother board to be easily replaced.

## Key features:

- Compact 1U 19" rack mount PC system
- Front panel LCD display for status readout
- Designed for redundant controller set-up
- Easy reconfiguration of PC mother board
- Program executed from internal flash disc
- Two Ethernet ports



**NTP TECHNOLOGY**

A DAN TECHNOLOGIES COMPANY

# Router Control System

## 635 System Controller

The 635 system controller is a PC platform for hosting the Router Control Application RCoreV3, which serves as the control system for at NTP Router system. RCoreV3 serves as the control application for both TDM router systems as well as IP Ethernet based systems.

## RCoreV3

The Router Control Core (RCore) is a software application that handles all set-up, control, and supervision of the NTP routers in an NTP audio router system, as well as the communication interface to the VMC and BLISS NTP control systems, and third part communication protocols.

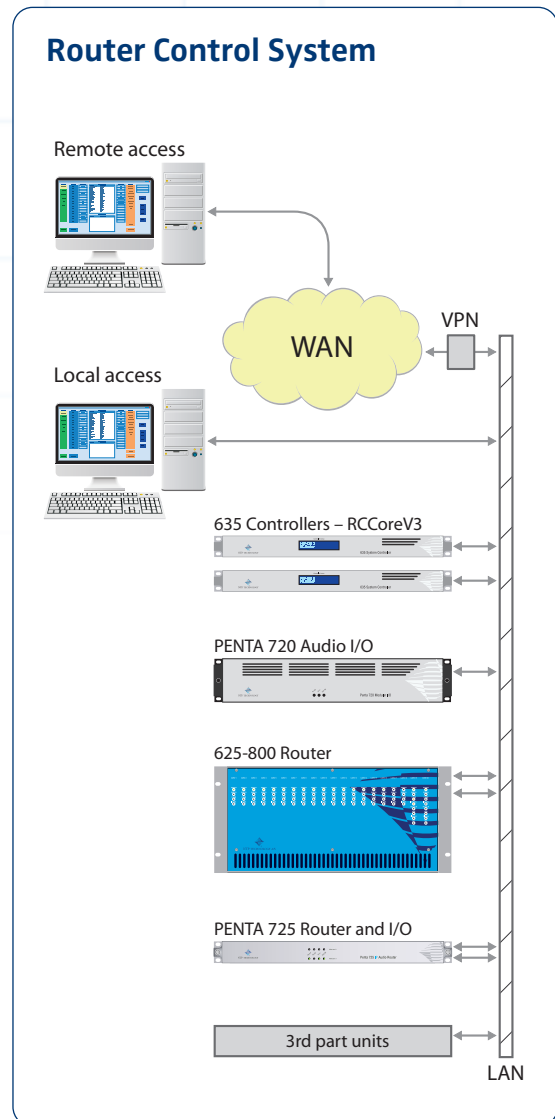
RCoreV3 is based on the self contained real-time operating system QNX Neutrino. The QNX Neutrino RTOS is extremely reliable and is specially designed for critical industrial applications and superior embedded designs.

RCoreV3 runs on the 635 System Controller unit, which is often set-up in a redundant configuration. Two units forming a redundant main controller and two other units forming a redundant back-up controller.

RCoreV3 hosted on the 635 controller can replace the DOS based Sys632 and the NTP 632 controller. The RCoreV3 software operates through network based infrastructure with all communication based on TCP/IP link protocol, and 10/100Mbit LAN/WAN interfacing.

## Router Control System features

- Remote access and login on expert user level for:
  - Service, debug, and system set-up,
  - Upgrade of the RCore, protocols and control applications.
  - Database management and secure access via VPN
- Database backwards compatible
- Database lies on the active controller and on the standby controllers. Database is always updated.
- Maintenance application program window for inspecting system status
- Control of IP audio based Layer 3 Ethernet based routing
- Extended control of the router Dual Backbone interface
- Future support for SNMP



## NTP Technology A/S

Nybrovej 99 2820 Gentofte Denmark  
T: +45 4596 8880 F: +45 4453 1170 E: ntp@ntp.dk  
[www.ntp.dk](http://www.ntp.dk)