

# AC2000 super RTC (sRTC)

## Large capacity ethernet reader controller

### Key Features

- Up to 2048 doors
- Failover option
- Energy saving
- Less rack space used
- Easy migration from old RTC units
- Cost saving if renting multiple VM server units

### AC2000 Super RTC

The AC2000 super RTC (sRTC) is a PC server hardware unit designed to host multiple AC2000 Ethernet Reader Controllers. The sRTC hardware unit is capable to host up to a maximum of 2048 access doors or addressed AC2000 devices, this total is equivalent to eight standard RTC units.

A single sRTC provides an economical saving by using less rack space, using less electrical power and produces less heat than several RTC hardware servers.

The sRTC PC unit operating system software is linux and configured with the CEM LXC subsystem software to make the RTC containers. The sRTC PC unit will be configured with one normal RTC hosted on the PC unit with the same IP address as the network NIC. Up to 7 additional container RTCs will each have a virtual IP address bridged through the host PC NIC. The AC2000 devices client application configuration interface is the same as a standard RTC, with no changes to the way AC2000 devices are added to the system.

Flexibility of design is built in as you select the capacity you need for your installation. The hardware unit is upgradable on the fly as capacity can be increase simply by purchasing additional RTC licence keys and configuring the necessary sRTC options. For more than eight RTCs additional RTC and/or sRTC units can be added to the AC2000 system.

Super RTC hardware units are shipped pre-configured by CEM Systems . CEM Systems Support services will be available (under the terms of the standard SSA Software support agreement) to assist in getting the sRTC up and running on site.

### RTC server upgrades

As a hardware upgrade option, it is a seamless operation to migrate old hardware RTCs over to a single new sRTC unit. This allows the provision of multiple additional RTCs running on the same platform, while offering the capability to instantly remove the old RTC units from your server room.

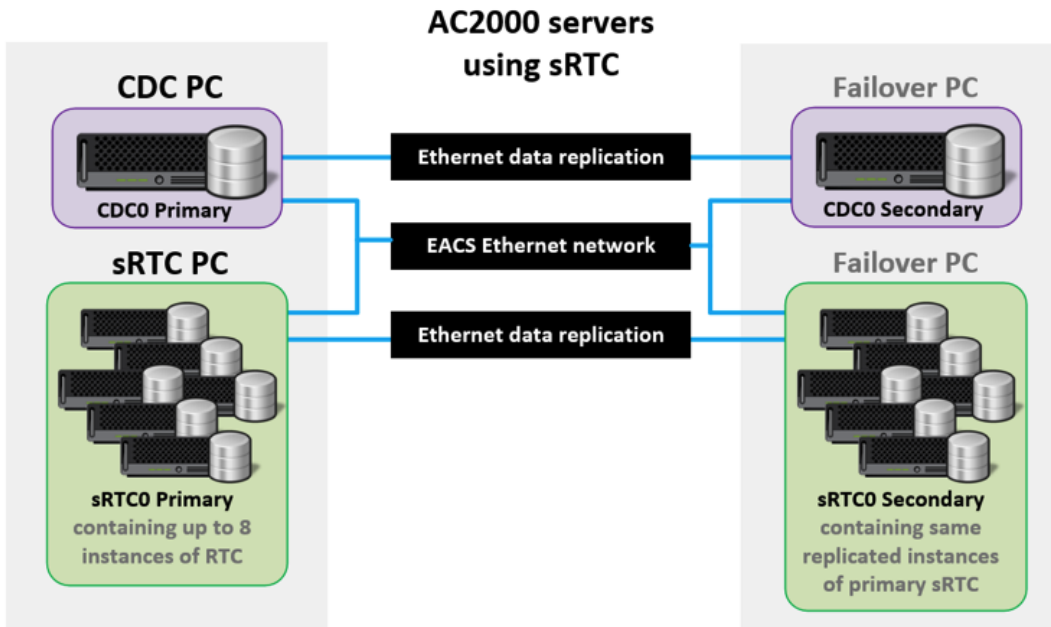


Diagram showing sRTC with up to 8 RTC units each and failover option.

### sRTC server failover

The sRTC supports the AC2000 failover option (AC2000 RTC failover unit is a recommended option). The sRTC and failover sRTC option are each fitted with dual NICs as standard. Each sRTC server will use up to twelve IP address. Two for the primary PC NICs and and one for each of the additional seven for the containers, and two more for the secondary failover server.

### Software only option

Where subscribing to data centre virtual application services for example, the one virtual sRTC server will be a saving on your current multiple RTC server setup. CEM Systems Support services will be available (under the terms of the standard SSA Software support agreement) to assist in getting the a virtual sRTC AC2000 configurations ready.

### What AC2000 sRTC system software licences are needed?

For licensing an AC2000 system with sRTC unit with either a hardware or software controller option the standard AC2000 requirements for RTC server licences applies, with the addition of the sRTC software licence.

For example

Door Requirement	sRTC software licence	AC2000 CDC system capacity licence	Additional RTC software licences*
Up to 600 doors	X1	256+	X2 256, plus x1 128
Up to 1500 doors	X1	256+	x5 256
2048 doors (Maximum)	X1	256+	X6 256

\* Add licences to meet project requirements for spare capacity.

## Ordering Information

Product Code	Description
SWENET-S	SuperRTC Host – software-only including 1 x RTC licence SWENET256
SYS/108/256	SuperRTC Host – latest RAID-5 server including SuperRTC Host software SWENET-S and 1 x RTC licence SWENET256
SWENET-S-F	SuperRTC Failover Host – software-only including failover licence for 1 x RTC Failover SWFAIL-RTC
SYS/108/00F	SuperRTC Failover Host – latest RAID-5 server including SuperRTC Failover Host SWENET-S-F and 1 x RTC Failover licence SWFAIL-RTC

\*SuperRTC Host is a holder container for CEM RTC Ethernet Reader Controller and can hold a maximum of 8 instances of AC2000 RTC Ethernet Reader Controller Licence for 256 doors. SuperRTC Host is supplied with one AC2000 RTC Ethernet Reader Controller Licence for 256 doors SWENET256 as standard. Additional SWENET256 licences can be ordered as needed up to a maximum total of 8 per SuperRTC Host.

To order contact [cem.sales@tycoint.com](mailto:cem.sales@tycoint.com) or call +44(0) 2890 456 767

## Related Products



- AC2000
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