




SAFRAN SecureSync 2400 Master Clock System User Guide

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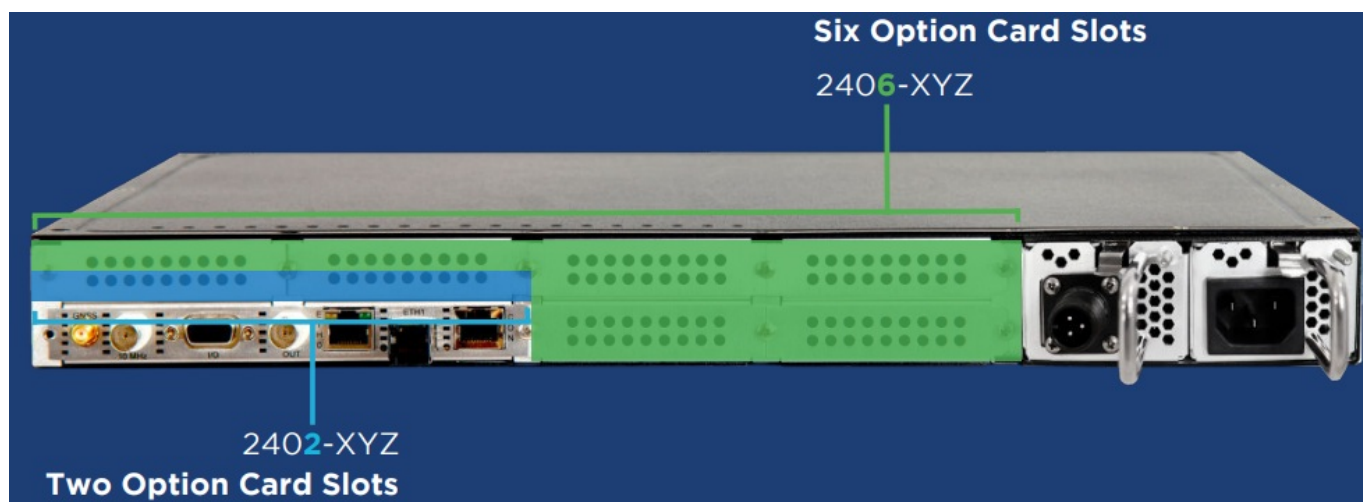
BUILD YOUR OWN SECURESYNC 2400 MASTER CLOCK GUIDE



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Choose the Form Factor



Select the Backup Oscillator

240W-XYZ	0 = TCXO	1 = OCXO	2 = OCXO L PN	3 = Rubidium m	3 = Rub LP N
Accuracy to UTC (locked to GPS, @ 1 sigma)	±50 ns	±25 ns	±15 ns	±15 ns	±15 ns
Holdover (constant temp after 2 weeks of GPS lock)					
After 4 hours	12 µs	1 µs	0.5 µs	0.2 µs	0.2 µs
After 24 hours	450 µs	25 µs	10 µs	1 µs	1 µs
Signal Waveform & Levels: TTL (5 VP-P), into 50 ohm, BNC					

Build the Power

Single Fixed Power

240W-XYZ

Populate the X with the a power option below:

0 = 100-240 VAC

3 = 12 VDC

4 = 24/48 VDC

Integral power supply, ships with line cord or mating connector

Hot Swap Power

240W-6YZ

Dual Hot-Swap requires ordering at least one power module, on top of power option 6 for the base unit. Order (1) or (2) of the these power supply line items with the base unit, in any combination:

2400-HS-A1 = 100-240VAC

2400-HS-D1 = 12 VDC

2400-HS-D2 = 24/48 VDC

**Order
Power
Modules**



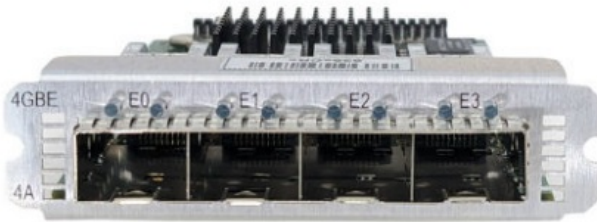
Pick the I/O

Expand Network Capacity

Order
Option Card(s)



1204-49 Dual Nic Option Card (SFP)
(NTP-Only Ports)



1204-4A Quad Nic Option Card (SFP)
(NTP-Only Ports)

- 2400 includes two Gbe Network ports on chassis (1) RJ-45, (1) SFP.
- Add additional network cards to increase processing capacity and the number of ports from 2 (Base) to 4, 6, 8, or 10 network ports in a single 1RU chassis.
- The ethernet ports of the base chassis unit provide NTP, PTP, and Management capabilities.
- Field upgradeable.



Order
SFP-Copper
Module(s)

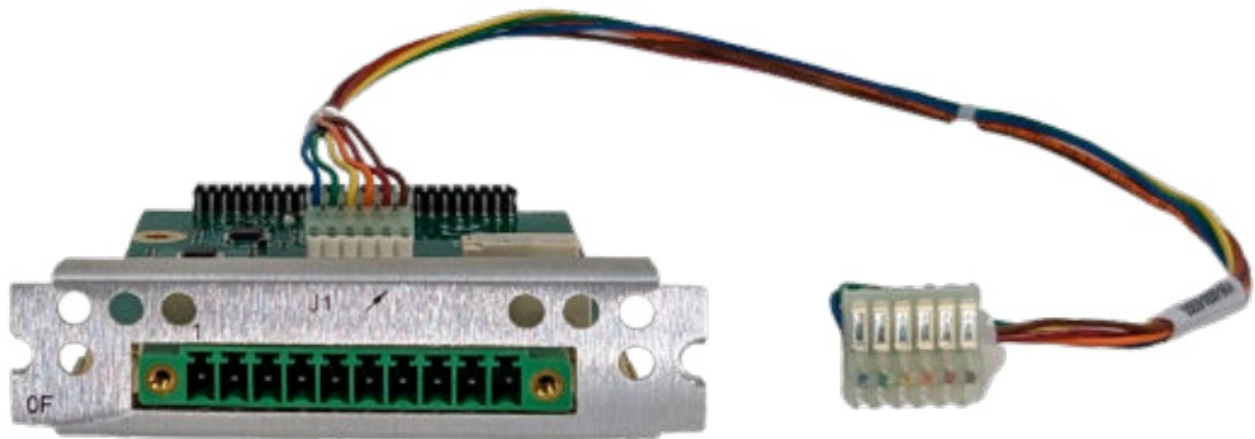
Add NENA Compliance



CA08R-0000-0010 NENA Breakout Cable

- IRIG Out (BNC)
- ASCII RS-232 OUT (DB9F)
- ASCII RS-485 OUT AND
Relay/Alarm* OUT (Terminal Block)

1204-0F Alarm Relay Option Card



* Requires 1204-0F installed

With these options installed, SecureSync meets NENA Master Clock spec: NENA-STA-026.5-2016 and offers compatibility to synchronize legacy Spectracom TimeView Display Clocks over RS-485 Terminal Block. For more information on set up of these options, see [SecureSync2400_NetClock_Option_Guide_rev1](#)



Example Configuration

- (1) SecureSync 2406-613
- (1) 2400-HS-A1
- (1) 2400-HS-D2
- (1) 1204-4A
- (1) 1204-49
- (1) CA08R-0000-0010
- (1) 1204-0F

Add on the Accessories

Antenna



8230

Anti-Jam Antenna



8230AJ

Surge Protector



8226

Inline Amplifier



8227

Flat Roof Antenna Base



8213

Flat Roof Antenna Base



8213

Grounding Kit for Surge Protector



8226-0002-0600

Antenna Splitter



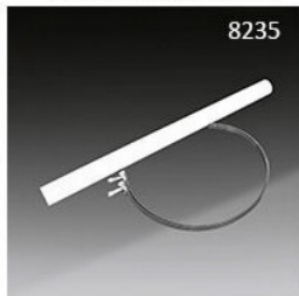
8224

Ruggedized Antenna Bracket



ANT-KT

Antenna Post Mast



8235

Antenna Coax Cable



CA01-0N0N-3xxx

SecureSync Breakout Cable



CA08R-D500-0001

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<https://safran-navigation-timing.com/contact/>



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Documents / Resources



[SAFRAN SecureSync 2400 Master Clock System](#) [pdf] User Guide

2406-XYZ, 2402-XYZ, 240W-XYZ, 240W-6YZ, 1204-49, 1204-4A, CA08R-0000-0010, 1204-0F, SecureSync 2400, SecureSync 2400 Master Clock System, Master Clock System, Clock System

References

- [S Safran | Navigation and Timing - The World Leader in Resilient PNT](#)

Manuals+.