

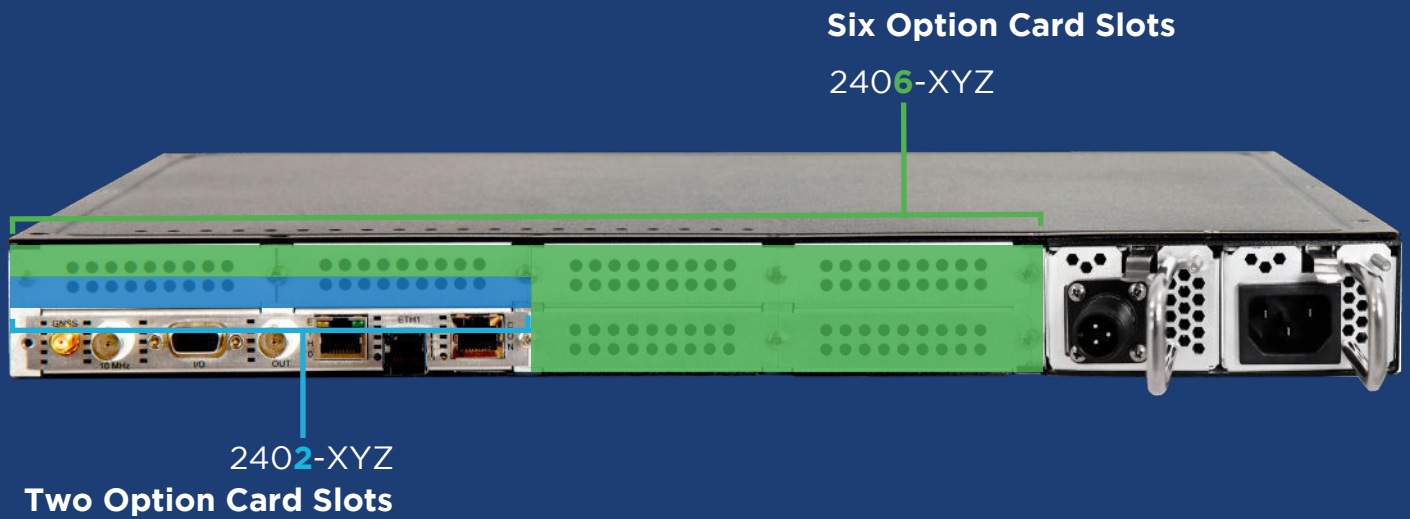
ELECTRONICS & DEFENSE



BUILD YOUR OWN SECURESYNC 2400 MASTER CLOCK GUIDE



1. Choose the Form Factor



2. Select the Backup Oscillator

240W-XYZ	0 = TCXO	1 = OCXO	2 = OCXO LPN	3 = Rubidium	3 = Rub LPN
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 V _{P-P}), into 50 ohm, BNC					

3. Build the Power

Single Fixed Power
240W-XYZ
<i>Populate the X with the a power option below:</i>
0 = 100-240 VAC
3 = 12 VDC
4 = 24/48 VDC
<i>Integral power supply, ships with line cord or mating connector</i>
Hot Swap Power
240W-6YZ
<i>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:</i>
2400-HS-A1 = 100-240VAC
2400-HS-D1 = 12 VDC
2400-HS-D2 = 24/48 VDC



4. Pick the I/O

Expand Network Capacity



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



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

Order Option Card(s)

- 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)

5. Add NENA Compliance



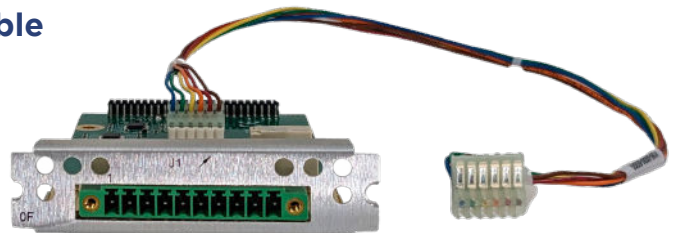
CA08R-0000-0010 NENA Breakout Cable

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

* 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](#)

1204-0F Alarm Relay Option Card









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

6. Add on the Accessories

<p>Antenna 8230</p> 	<p>Anti-Jam Antenna 8230AJ</p> 	<p>Surge Protector 8226</p> 	<p>Inline Amplifier 8227</p> 
<p>Flat Roof Antenna Base 8213</p> 	<p>Flat Roof Antenna Base 8213</p> 	<p>Grounding Kit for Surge Protector 8226-0002-0600</p> 	<p>Antenna Splitter 8224</p> 
<p>Ruggedized Antenna Bracket ANT-KT</p> 	<p>Antenna Post Mast 8235</p> 	<p>Antenna Coax Cable CA01-0N0N-3xxx</p> 	<p>SecureSync Breakout Cable CA08R-D500-0001</p> 

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