

SI400-O SERIES In-building antenna, ultra wide band, low PIM, 694-6000 MHz

- Low profile non-protruding form factor that blends into the environment easily
- Fully compliant with the NFPA building safety code specifications
- Rugged build well suited for public safety applications that features UV-resistant radome and IP66 rating
- Proud partner of iBwave, Ranplan, and Atoll component databases

Sinclair's new in-building antenna line is developed specifically for public safety DAS application, where reliability and coverage are key. The antenna components are specially selected to satisfy the fire retardancy requirement, the cables are plenum rated, and the exposed components are also low smoke and halogen-free. This means these antennas fully meet the strict building safety code specifications laid out by the regulatory authorities, such as National Fire Protection Association (NFPA). Sinclair DAS antennas are also optimized with superior efficiency across the whole band to provide the optimal signal strength for mission-critical communication.



When ordering, please refer to the chart below for the model number. Connector configurations are subject to various list price. Please contact your Sinclair Sales Representative or Customer Service Representative for more information.



Model Number	Connector
SI400-OWBL4F	4.3-10(f)
SI400-OWBLNF	N(f)

Region	United States	Europe, Middle East, and Africa	Canada, Caribbean, and Latin America	Asia-Pacific
Telephone	1 800 263 3275	+1 905 727 0165 ext 232	Canada: 1 905 726 7676 International: +1 905 726 7676	+1 905 727 0165 ext 287
E-mail	salesusa@sinctech.com	salesemea@sinctech.com	salescan@sinctech.com	salesasia@sinctech.com

Electrical Specifications

Frequency Range	MHz	694 to 6000	
Bandwidth	MHz	5306	
Connector		Various options avail.	*1
Gain (nominal)	dBd (dBi)	unity (2.1)	
VSWR (typ)		1.8:1	*2
Polarization		vertical	
Impedance	Ω	50	
Pattern		Omni- directional	
Average Input Power (max)	W	50	
Passive intermod. (2x20W, 3rd ord.)	dBc	-153	

Notes

*1 : See previous page for details.

*2 : Max. 2:1

*3 : UL94-V0, LSZH, and UV-resistant

Mechanical Specifications

Height	in (mm)	3.27 (83)	
Outer Diameter	in (mm)	9.06 (230)	
Cable		Plenum rated	
Cable length (nominal)		12 in (30 cm)	
Radome material		Polycarbonate	*3
Weight	lbs (kg)	1.4 (0.64)	
Mounting Hardware (Included)		Mounting nut	
Mounting configurations		Thru-hole ceiling tile mount	
Actual shipping weight	lbs (kg)	2.7 (1.23)	
Shipping dimensions	in (mm)	12x12x10 (305x305x254)	
Colour		White	
Ingress protection		IP66	

Environmental Specifications

Temperature range	°F (°C)	-40 to +140 (-40 to +60)
-------------------	---------	--------------------------

Region	United States	Europe, Middle East, and Africa	Canada, Caribbean, and Latin America	Asia-Pacific
Telephone	1 800 263 3275	+1 905 727 0165 ext 232	Canada: 1 905 726 7676 International: +1 905 726 7676	+1 905 727 0165 ext 287
E-mail	salesusa@sinctech.com	salesemea@sinctech.com	salescan@sinctech.com	salesasia@sinctech.com