

Buyers Guide for AeroWave X Satellite Communications System



Table 1 AeroWave X Part Numbers

Part Description	Part Number
AeroWave X installation Kit	90411254-001
GoDirect Router	SCD-90407026-002

This document is valid until December 31, 2024.

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1.0 Introduction

1.1 Purpose

Honeywell is pleased to offer the AeroWave X Buyers Guide.

This Buyers Guide will provide information on Honeywell's AeroWave X system. The AeroWave X satellite communications system provides an unparalleled in-flight internet experience for pilots and passengers. It builds on Honeywell's decades-long SATCOM legacy to deliver the highest quality connectivity and uninterrupted worldwide coverage available today.

AeroWave X is the perfect fit for any General Aviation business or private aircraft, offering significant reduction in size, weight, and power (SWaP) compared to the legacy connectivity systems—without sacrificing performance.

1.2 Product Description

Honeywell's Next Generation AeroWave X solution provides in-flight internet connectivity that allows pilots and passengers the ability to send text messages, complete light web browsing, send email, and make phone calls. It uses the Inmarsat satellite network to enable communication anywhere in the world. The Small Satcom system provides a single channel of Inmarsat's SwiftBroadband (SBB) global Class 15 Background IP globally. The GoDirect Router (GDR) adds in Wi-Fi and Cellular capability providing seamless connectivity. Honeywell's Small Satcom with the GoDirect Router provides a significant reduction in SWaP. The system is made up of the Satcom Terminal, the GoDirect router and a Low Gain Class 15 Antenna.

1.3 System Features

Honeywell's AeroWave X System:

- Provides in-flight internet connectivity using Satcom, Wi-Fi or Cellular (on ground)
 - The Small Satcom system provides a single channel of Inmarsat's SwiftBroadband (SBB) global Class 15 Background IP
 - The GoDirect Router adds in Wi-Fi and Cellular capability.
- The Small Satcom with the GoDirect Router combined provide a significant reduction in size, weight, and power (SWaP) - 6.1 lbs. total.
- The system is made up of the Satcom Terminal, the GoDirect router and a Low Gain Class 15 Antenna.
- GDR positions the product for future radio upgrades and service enhancements.
- Sold as a hardware and airtime bundle.

The AeroWave X also provides World-Wide coverage enabled by four global coverage satellites (polar regions excepted). This includes over water, over deserts, remote regions and 2023+ polar region coverage (I-6 constellation). The AeroWave X ensures reliable, consistent worldwide coverage, improved situational awareness, self-contained integration through the built in GPS, wireless capability and a hardware and airtime bundle.

1.4 Installation Kits

The AeroWave X system comes with its installation kit, PN 90411254-001, outlined in Table 1, which includes the Small Satcom Harness, Small Satcom Coaxial Cable and the SIM card.

The installation kits for the GoDirect Router are optional and not supplied with the system. However, this equipment can be required for installation and proper operation of the GDR. Equivalent equipment may be used as a substitute.

Table 2 below gives optional hardware part numbers, and supplier information. individual hardware parts can be ordered through the secondary market. Hardware parts are listed in Table 2.

		Description:	GDR Installation Kit	
		Antennas:	Without	With
Installation Kit Elements	Part Number	Qty	Included	
Mounting Plate, GDR Adapter	DBI, PN : DB40-1370-03	1	X	X
Connectors, 22-Pin, Female, (Blue)	Radiall, PN : QFC5PN2N22SSB	1	X	X
Connectors, 22-Pin, Female, (Green)	Radiall, PN : QFC5PN2N22SSC	1	X	X
Connectors, 22-Pin, Female, (Yellow)	Radiall, PN : QFC5PN2N22SSD	1	X	X
Connectors, 22-Pin, Female, (White)	Radiall, PN : QFC5PN2N22SSF	1	X	X
Backshell, Size 11, Female, Stainless	Sunbank, PN : M85049/38-11N	4	X	X
Connector Kit, 9-Pin, Micro-D	Molex, PN : 0834219014	1	X	X
Pin, Micro-D, Female	Molex, PN : 0830000083	10	X	X
RF Pigtail, QMA Male to TNC Male	DBI, PN : DB20-136-01	5	X	X
RF 50 Ohm Terminator, QMA	Pasternack, PN : PE6TR1036	3	X	X
Washer, No. 10	QPL, PN : AN960-10	4	X	X
Nut, No. 10-32, Reduced Diameter	QPL, PN : MS21043-3	4	X	X
Antenna, 3G/4G, L-Band	Sensor Systems, PN : S65-5366-715	1		X
Antenna, Wi-Fi, Stub	Sensor Systems, PN : S65-5366-32S	3		X

2.0 Technical Specifications

The AeroWave X kit includes the Small Satcom Box and the Active Low Gain Antenna and the installation kit.

Table 3 Technical Specifications

Part Description	Small Satcom Box	Active Low Gain Antenna	GoDirect Router
Length	5.5 in	5.6 in	6.7 in
Width	2.9 in	4.4 in	8.6 in
Height	1.9 in	2 in	1.8 in
Weight	1 lbs.	1 lbs.	3.9 lbs.

3.0 Pricing

3.1 Hardware

The AeroWave X system is sold as a hardware and airtime bundle. The system includes the Satcom box, the antenna, the installation kit, and the router.

*Table 4 AeroWave X Pricing**

System	2024 List Price
AeroWave X System	\$26,500

**Pricing is subject to a yearly escalation. Please check with your local Sales representative for the most up-to-date pricing.*

3.2 Airtime

For airtime services activation and pricing, please contact sales.honeywellforge@honeywell.com.

Usage Breakdown:

- A standard email without attachments uses 25KB
- An Email with a standard attachment uses ~500KB (plus size of the attachment)
- Text messages use ~300B per text
- IMessage uses ~250Kb per text

60MB makes up ~2,400 standard emails, 120 emails with attachments or 200,000 text messages.

4.0 Ordering Information

All orders for the AeroWave X are placed through one of our authorized distributors.

1 Boeing

- a. Send your purchase orders to dallas@aviall.com
 - i. Boeing Sales and Customer Service Team
 - ii. North America 1-800-AVIALL-1
 - iii. Central America +1 972-586-1985

2 EDMO Distributors

- a. Dealers in the following countries may send your purchase orders to Sales@EDMO.com
 - i. Serving Dealers in Argentina, Australia, Austria, Bahrain, Bangladesh, Belgium, Brazil, Chile, China, Colombia, Czech Republic, Denmark, Dominican Rep, Ecuador, Fiji, Finland, France, Germany, Greece, Hong Kong, Hungary, Iceland, India, Indonesia, Ireland, Israel, Italy, Japan, Jordan, Kenya,

Luxembourg, Malaysia, Morocco, Netherlands, New Caledonia, Norway, Papua New Guinea, Paraguay, Peru, Philippines, Poland, Portugal, Saipan, Serbia, Singapore, Slovenia, South Africa, South Korea, Spain, Sweden, Switzerland, Taiwan, Turkey, United Arab Emirates, United Kingdom and Venezuela.

5.0 Terms and Conditions

Other than as set forth herein, terms and conditions are pursuant to Dealer's executed General Terms Agreement, Supplemental Avionics Dealership Authorization, and Honeywell's BGA Standard Terms and Conditions of Sale, which can be found on www.myaerospace.com. Honeywell reserves the right to rescind or revise this guide at any time or to modify it through any future publication. Must purchase complete system to get the outlined price.

6.0 Contact Information

Please contact your local Honeywell or Honeywell GA Area Sales Manager if you have any questions regarding this guide or need assistance. You can find your Area Sales Manager by clicking [here](#).

1 Honeywell Aerospace Online Technical Publications Website

- a. Go to the Honeywell Online Technical Publications Website at (<https://aerospace.honeywell.com>).
 - i. To download or see publications online.
 - ii. To order a publication.
 - iii. To tell Honeywell of a possible data error in a publication.

2 Honeywell Aerospace Contact Team

- a. If you do not have access to the Honeywell Technical Publications Website, or if you need to speak to personnel about non-Technical Publication matters, the Honeywell Aerospace Contact Team gives 24/7 customer service to Air Transport & Regional, Business & General Aviation, and Defense & Space customers around the globe.
 - i. Telephone: 800-601-3099 (Toll Free U.S.A./Canada).
 - ii. Telephone: 602-365-3099 (International)

3 Honeywell Aerospace Technical Support Team

- a. If you need product specific technical support, please contact Honeywell's Aerospace Tech Support Team gives 24/7 customer service to Air Transport & Regional, Business & General Aviation, and Defense & Space customers around the globe.
 - i. Telephone: +1 602 365 7020 (option 4 for Tech Support)
 - ii. Email: FSSTechSupport@honeywell.com

4 Honeywell Aerospace Activations Team

- a. Please contact Honeywell's activation team 3-5 days prior to time needed for connectivity to either Satcom or Cellular services.
 - i. Telephone: +1 602 365 7020 (option 7 for Activations)
 - ii. Email: FSSactivations@Honeywell.com