

ADG COMM EDITION | ADG-300

The Aircraft Data Gateway Comm Edition (ADG-300) from Honeywell enables airlines to reap the benefits of an affordable and flexible approach to wireless data transfer.

It's designed to be a drop-in replacement to legacy airborne and portable data-loaders on Air Transport aircraft, the ADG-300 unit transfers multiple sources of data between aircraft and ground servers in real-time, providing flight departments, pilots, and maintenance personnel the ability to send and receive critical flight operation and maintenance data whether an aircraft is in the hangar or in the sky.

Enabling the ADG Commercial Edition on an aircraft, airlines can see a full view and status of their fleet, manage all the data for their aircraft while saving time, costs and improving operations. All data transferred to and from the ADG is managed securely through Honeywell's Secure Infrastructure for Ground Network Services (SIGNS).

THE ADG COMM EDITION IS A SCALABLE SOLUTION THAT ENABLES:

- DATA-LOAD Gateway: primary high value feature of the ADG-300 that enables navigation databases and other field loadable software to be wirelessly distributed to the ADG-300 for subsequent on-board loading into the avionics systems.
- FLIGHT-DATA Gateway: function receives and stores aircraft data during flight. Once on the ground, the data is wirelessly transmitted to the airline for Flight Operations Quality Assurance (FOQA) and maintenance purposes.
- eLIBRARY-Gateway provides an on-board repository for airlines to store an extensive library of aircraft and operational and maintenance documentation, which can then be access from mobile devices.

FEATURES

- Distribute databases, field loadable software and documentation wirelessly
- Wireless retrieval of flight operations and maintenance data
- Integrates with EFBs to enable access to aircraft data and stored content
- Supports parallel loading of navigation databases into 2 FMCs
- Expandable data acquisition capability beyond existing flight data
- Future Real time data transfer via Satcom
- Manage fleet-wide software configuration and distribution through secure portal



ADG COMM EDITION, ADG-300

KEY BENEFITS

- Scalable solution for e-Enabling your aircraft
- Eliminates physical memory media for data-loading and retrieval
- Reduces labor associated with data-loading and retrieval
- Eliminates need for separate QAR devices
- Connects EFBs to enable fuel saving applications
- Single device replaces existing Airborne Data Loaders for ease of retrofit
- Drop in Replacement for:
 - Boeing ADL
 - Airbus MDDU
 - PDL
 - Teledyne ePDL
- Re-uses existing A615 data-loader interfaces
- Single compact Zeus mounted unit
- Removes 4MCU Coms from EBay

DATA COLLECTION PACKAGES

ADG COMM PACKAGE		
1 RS-422		
ARINC 717 1 Rx		
ARINC 429 8 Rx / 4 Tx		
Ethernet 9 100baseT		
Discrete: Output 10; Input 4		
1 WiFi	1 Cell	6 Programmable
1 TB Storage		
GSM 4G / LTE		
WiFi 802.11bgn		



ADG LITE QAR PACKAGE	
ARINC 171 1Rx	
ARINC 429 2Rx / 1Tx	
1 Ethernet 10/100 Base T	
Discrete	
1 WiFi	1 Programmable
32 GB Storage	
WiFi 802.11n	

ADG COMM DIMENSIONS

H, D, Arinc standard spec

SIZE	H	W	L
	5.0"	5.75"	7.51"
WEIGHT	2.92 lbs		
POWER	115 VAC		
SECURITY	SIGNS Secure Data Connection & Data Transfer		
FUNCTIONS	<ul style="list-style-type: none"> • Wireless Dataloading • Wireless Data Transfer • wQAR 		
QUAL	<ul style="list-style-type: none"> • Environmental: DO-160G • Software: DO-178 Level E 		

AVAILABLE STCS

STC	PLATFORM	AVAILABILITY	HON CUSTOMERS
1a	A320	Q2 2020	2,197
1b	A321	Q2 2020	520
1c	A319	Q2 2020	508
1d	A318	Q2 2020	18
2	717	Q2 2020	146
3	767	Q2 2020	743
4	757	Q2 2020	657
5	747	Q2 2020	454
6	787	Q2 2020	713
7	A330	Q2 2020	658
8	C130J	Q2 2020	336
9	A380	Q2 2020	232
10	A350	Q2 2020	204
11	A300	Q2 2020	156
12	737	Q2 2020	0
13	A340	Q2 2020	119
14	A310	Q2 2020	28

ADG COMM PRODUCT COMPARISON CHART

WITH OTHER ALTERNATIVES / COMPETITORS

Honeywell's Aircraft Data Gateway Value:

- Better Spares Pricing
- Better Repair Pricing
- Lower Annual Fees
- Reduction in Size, Weight, & Power
- Simplified solution for Honeywell FMS
- (No manual upload)
- Certified Under latest Security Standards

FEATURE	HONEYWELL	TELEDYNE	COLLINS	AVIONICA
Offering	ADG Comm	Groundlink + eADL	FOMAX + ADLU / PDL	aviONS + PDL
Size	7.51" x 3.75" x 5.75	Two Units: 4MCU + ~ 7" x 4.5" x 6"	Two Units: 2MCU (15.2"x2.4"x7.6") + ~ 7" x 4.5" x 6"	Two Units: 7.15" x 4.06" x 2.6" + ~ 7" x 4.5" x 6"
Weight	~3 LB	~ 15 lbs (~12 lbs + ~3 lbs)	~ 11 lbs (7.8 lbs + ~3 lbs)	~ 6 lbs (~3 lbs + ~3 lbs)
Power	28 Vdc/ 115 VAC @400 Hz, 19 W	115 VAC	115 Vac (400 Hz)	115 VAC
Security	SIGNS Encrypted Data Connection & Data Transfer	NA	NA	NA
Functionality	<ul style="list-style-type: none"> • Wireless Dataloading • Wireless Data Transfer • wQAR 	<ul style="list-style-type: none"> • Wireless Dataloading • Wireless Data Transfer • wQAR • AID Functionality 	<ul style="list-style-type: none"> • Wireless Dataloading • Wireless Data Transfer • wQAR • AID Functionality 	<ul style="list-style-type: none"> • Wireless Dataloading • Wireless Data Transfer • wQAR • AID Functionality
Price	\$33,000 List	> \$75,465 + 584 List	~\$45,000 List Price + PDL	~\$35,000 List Price + PDL
Annual Service Fee	\$1,800 annually per tail (lowest Fee)	\$2,800 annually per tail (lowest Fee)	NA	NA
Install Base	A300	>90% Boeing Platforms >70% Airbus Platforms	>80% Airbus Platforms >40% Boeing Platforms	>25% Airbus Platforms >25% Boeing Platforms
Value vs.		Displacement of 4 MCU (Reduction in SWaP + Fuel) Simplified Ops for HON FMS, same for Non HON	Displacement of 2 MCU (Reduction in SWaP + Fuel)	Displacement of Add. LRU (Reduction in SWaP + Fuel) Simplified Ops for HON FMS, same for Non HON

Honeywell Connected Enterprise

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THE
FUTURE
IS
WHAT
WE
MAKE IT

Honeywell