

# SMART INTEGRATED SOLUTIONS FOR YOUR OPERATIONS TEAM

---

Product Overview

---



**HONEYWELL  
FORGE**

**Honeywell**



# MEET HONEYWELL FORGE

In-flight Wi-Fi so good passengers forget they're flying. The ability to track and monitor every aircraft in the fleet. Real-time data and alerts to meet operational requirements. Easy access to flight planning and flight efficiency

tools. Control over network cost and experience. Bullet-proof cybersecurity. Seamless, always-available support.

The age of the connected aircraft has arrived, bringing with it a whole new

world of capabilities and expectations. You need a fully integrated solution to leverage your investment and create a connected experience that meets your requirements.

# WHAT IS HONEYWELL FORGE

Honeywell Forge is our smart, data-driven integrated platform that gives your team what it needs to improve efficiency, reduce costs and create a superior connected experience for flyers.

It's your front door to a comprehensive service portfolio that includes in-flight connectivity, flight planning and optimization, and flight database services in a single seamless platform with a growing list of additional features.

Honeywell Forge takes the concept of inform and control to new heights. It uses advanced data analytics to create smart, intuitive notifications that alert when an operational or connectivity issue needs your immediate attention or if there's a potential problem brewing.

The platform is designed to be an integrated solution providing a single,

reliable source of information covering the breadth of your operation. The customizable dashboard provides a wealth of information to let your team monitor the current status from the fleet level down to an individual aircraft. It provides insight into what's going on now and what's coming up, giving you the power to keep an eye on your assets while

surfacing important information through the noise.

With Honeywell Forge you get unprecedented levels of information to enable better situational awareness, data use, logistics planning, fleet status, crew tracking, maintenance planning and passenger support.







It provides easy access to all your Honeywell subscription services and applications in one fully functioning resource, accessible with a single login.

Only Honeywell Forge has enterprise performance management capabilities that enable cross-functional visibility of all facets of your operation in real time. The platform allows for customization so every member of the team can prioritize the information that is most relevant to their role.

Only Honeywell has the aviation-industry relationships to deliver multiparty services on a single platform. With Honeywell Forge, you're not limited to our providers. We can enable you to incorporate your favorite tools from other providers, creating an even more powerful and useful efficiency platform. There's plenty of room for future growth, too, and we're laying the foundation to add even more valuable options to the

platform including new features from Honeywell and other providers.

Integrating these and other Honeywell Forge services and applications into your operation creates a potent combination to drive operational efficiency and cost savings. In fact, operators can save upwards of \$100,000 per aircraft per year by using Honeywell Forge.

# A FULLY INTEGRATED SOLUTION

Honeywell Forge offers your operation the aviation industry's most complete, capable and flexible array of integrated features – designed to help you connect, stay connected and optimize the user experience.

## **Airtime Services**

- Offers the most airtime options
- Enables concurrent use of satellite, terrestrial & air-to-ground services
- Accommodates multichannel upgrades

## **Concurrent Connectivity**

- Enables segregation of network access for improved privacy and security
- Allows concurrent, redundant data connections for greater flexibility
- Eliminates coverage gaps with multiple network access
- Enables constant contact between ground & cockpit
- Eliminates attenuation problems caused by weather & other obstruction

## **Full Mission Management**

- Allows mission coordination between flight and maintenance teams
- Improves situational awareness of connectivity status & flight status
- Provides easy access to preferred service providers
- Enables prompt maintenance actions to save time & money
- Analyzes data consumption to control costs

## **Access to Preferred Content**

- Delivers country- and region-specific content anywhere in the world
- Uses custom media controls to expand/contract bandwidth

- Lets users buy various sized data packages to meet their needs
- Right-sizes data consumption based on demand

## **Optimal Performance**

- Reduces latency with industry's best POP configuration
- Allows for channel bonding for higher bandwidth requirements
- Enables traffic prioritization to meet needs of multiple users
- Limits idle device consumption to ensure bandwidth availability
- Optimizes real-time & prerecorded video streaming





### **Billing & Budget Management**

- Uses captive, hotel-style portals for credit card use
- Offers pay-as-you-go options for greater cost management
- Reduces the risk of overages by providing greater control
- Offers data filtering to save costs on unused data

### **Corporate Governance Requirements**

- Uses regular reviews & audits to ensure cybersecurity
- Allows government/military customers to use own cyber protections
- Enables remote router updates to ensure latest protections are available
- Extends corporate policies to the aircraft for remote site monitoring
- Offers on-wing intrusion detection option

### **Transition & Provisioning**

- Enables smooth fleet-wide transition with consultancy & onboarding services
- Offers proven configuration systems for any fleet size



# THE HONEYWELL DIFFERENCE IS CLEAR

Lots of providers talk about taking an integrated approach. Only Honeywell brings the tools you need together in a single platform to meet the wants and needs of everyone in the business aviation value chain: passengers, flight department general managers, flight operations directors, directors of maintenance, flight crews, and dispatchers and schedulers.

With Honeywell Forge, we've created a true end-to-end connectivity solution for your flight department that includes hardware, flight services and airtime services.

Business jets the world over fly with Honeywell satellite communications systems, including our signature

JetWave system. JetWave is the only way you can connect to Inmarsat's fast, reliable and always-available Jet ConneX Ka-Band network for the best Wi-Fi in the sky.

Honeywell software, services and applications make it easy to stay connected and manage data use and

cost. We offer the widest range of in-flight connectivity services, flight planning and optimization, and flight database services in the business aviation industry.

We also provide a variety of flexible, affordable airtime service plans from leading providers like Inmarsat, Iridium,





and Viasat. Regardless of your aircraft type, hardware or configuration, Honeywell has an airtime service plan to meet your mission requirements.

Honeywell has a century-long record of aviation innovation and we pioneered the first satellite communications

systems for business jets more than three decades ago. Honeywell Forge is a logical extension of our established leadership in connected aircraft solutions.

Honeywell Forge builds on our unique pedigree to provide the best, most complete connected experience to meet your needs today... and tomorrow.



# SECURITY ENGRAINED IN ALL WE DO

No one takes cybersecurity more seriously than Honeywell, a company with deep domain expertise and more than four decades of experience at protecting customers' products, networks and information.

We know the business so well that customers engage us to consult on cybersecurity issues and audit their current levels of readiness.

We work hard to ensure all our offerings meet the most stringent industry standards and adhere to the National Institute of Standards and Technology (NIST) framework.

When you choose Honeywell Forge, you're automatically protected from day one by our experienced cybersecurity team and our "always on" protection. You won't find "cybersecurity" as a line item on your invoice, because we

don't charge extra for something is so essential to your daily operations. In addition, Honeywell cybersecurity experts are available to audit your cybersecurity protection and help match our unique capabilities to your specific security needs.

We offer options to extend your corporate governance to the aircraft as needed.

Honeywell developed the aviation industry's first intrusion detection solution, which detects and alerts operators of attempts to infiltrate the network in real time and constantly displays the aircraft's protection status on the Honeywell Forge dashboard. No other provider has yet fielded a fully functioning intrusion detection capability.



# SUPPORT YOU CAN COUNT ON

Honeywell Forge is all about preventing issues before they disrupt your operation. We've developed intelligent software capable of detecting potential issues and alerting you before they cause problems.

We've built smart diagnostic and problem-solving notifications into the Honeywell Forge platform. These predictive and prescriptive notifications not only alert you that there's a problem, they suggest solutions that – in most cases – let you fix the problem yourself in no time at all.

Of course, when you need a hand we're there for you. Responsive service and support has been a Honeywell calling card for decades, with a global capability unmatched in the business aviation community.

With Honeywell Forge, we've expanded our capabilities by building a dedicated team of technical experts in connectivity, standing by to meet your needs in real time, anywhere in the world.

We're there for you 24/7/365. We'll be there when you need help choosing the right connectivity solutions and services. We'll be there when you come onboard with Honeywell Forge and when you add new hardware, software or services, to make sure you're comfortable and everything is working right. We'll be there

if you're having a connectivity issue and we'll be happy to answer if you just have a question.

There are many ways to reach us and we're always available to take your call or answer your email. And if you need us to jump on a plane to lend a hand in person or provide a little on-site training, we can do that, too.



# SERVICES TO IMPROVE OPERATIONS AND CONNECTIVITY

A variety of Honeywell Forge services and applications are available on the platform today – with more to come. Subscribers can use the platform to access In-Flight Connectivity, Flight Planning and Optimization, and Navigational Database services and apps.



# IN-FLIGHT CONNECTIVITY

## Connectivity Services – Airtime

Honeywell has joined forces with a broad spectrum of leading airtime service providers that enables us to develop the right solution for any operator, regardless of mission. Honeywell Forge Connectivity Services are system agnostic, meaning they work equally well with any airtime service provider.

We offer the fastest-available Ka-band high-throughput connectivity solutions from both Ka-band providers, ViaSat and Inmarsat.

We offer low-throughput solutions, including:

- Inmarsat single-channel and multichannel Swiftbroadband
- Iridium short-burst data
- Iridium Certus and ViaSat Ku-Band service

## Honeywell GoDirect Router

The Honeywell GoDirect Router is ideal for business aircraft. The unit gives you all the speed, performance and reliability of today's best routers in a package that costs less and is smaller, lighter and uses less power. Multiple routers can be installed anywhere on your aircraft in a distributed architecture, which will provide optimum coverage throughout the cabin and flight deck and provide true redundancy at a fraction of the previous cost.

## Datalink

Honeywell Forge Datalink provides pilots with seamless, worldwide, two-way communication between the aircraft and ground. Our datalink services include free text messaging, oceanic and pre-departure clearances, weather information, custom short codes and controller-pilot datalink communication.

Honeywell is the only Datalink provider that offers both ARINC and SITA ground networks as standard.

## Data Management Tools

Honeywell Forge includes a wide range of data management features that help you manage data use and reduce cost, with little or no impact on the user experience. These include features that enable you to easily allocate charges to particular passengers, departments or devices; control the type of content sent and received during flight; and manage the bandwidth allocated to different uses.



# FLIGHT PLANNING AND OPTIMIZATION

## Flight Planning

With our latest flight planning platform pilots and flight planning specialists can view available routes, create, optimize and file a flight plan in just minutes. Our intuitive software makes life easier for pilots and dispatchers even on complicated international flights. Experienced flight dispatchers are available to help anytime.

## Dispatch

Honeywell Forge Dispatch is Honeywell's concierge-level service that takes flight planning, flight following and problem

solving to the next level. Our experienced team helps you create the "no surprises" experience you and your VIP passengers expect – every flight.

## International Trip Support

Honeywell makes it easier for operators to plan and manage flights around the world by providing access to an end-to-end combined international flight services capability. International Trip Support, powered by Jetex, enables users to order fuel, price handling services, submit trips and review the status of their arranged services.

## Flight Bag Pro

Pilots can use the Honeywell industry-leading electronic flight bag app to create and file a flight plan, calculate and compare aircraft cruise modes, download trip kits, access up-to-the-minute weather updates and airspace information, view airport approach plates, and much more.





# NAVIGATIONAL DATA-BASES

## Flight Databases

We make it fast and easy for you to get the updates you need for your flight management system (FMS) or wireless data LAN management unit (DLMU-W).

## Terrain Database

The Honeywell Forge Terrain Database helps you ensure that your Enhanced Ground Proximity Warning System (EGPWS) is up-to-date with the latest terrain information. Updates can be easily accomplished on the Honeywell Forge platform.

## Integrated Navigation Data Service

Our INDS provides updated information for the Primus® Epic interactive navigation avionics system. It ensures current flight information is readily available and that it is timely, and useful. The INDS includes data from the moving map display, as well as Jeppesen approach charts and detailed enroute maps.





# THE FUTURE OF CONNECTED BUSINESS AVIATION IS HERE TODAY

Honeywell takes the concept of integrated connectivity to new heights by bringing the services you need and value most together on a single highly capable platform. The tailored connected aircraft you want today, with room for future growth, has just arrived. It's called Honeywell Forge.

**To learn more**

please contact your Honeywell sales representative or call 1-888-634-3330 Ext 7 or email [sales.honeywellforge@honeywell.com](mailto:sales.honeywellforge@honeywell.com)



**Honeywell Aerospace**

1944 E. Sky Harbor Circle  
Phoenix, AZ 85034  
[www.honeywell.com](http://www.honeywell.com)

N61-2448-000-001 | 04/20  
© 2020 Honeywell International Inc.

**THE  
FUTURE  
IS  
WHAT  
WE  
MAKE IT**

---

**Honeywell**