

Boeing 787

BP5 EFB RETROFIT

A Drop-in Replacement for BP4



Astronautics

CONNECTED AIRCRAFT SOLUTIONS

Why Retrofit with BP5?



REDUCED CREW TIME



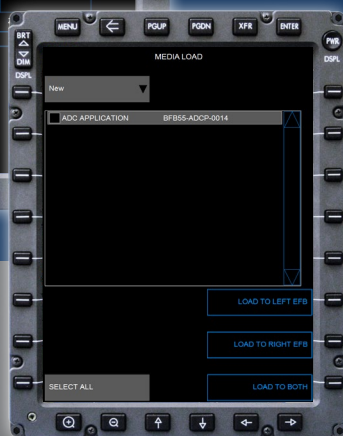
Application Launch

3 MINUTES **2X FASTER**



Performance Calculation

30 SECONDS **8X FASTER**



Nav Database Load*

20 MINUTES **2X FASTER**

* Approximation based on Navigation Database delta update



ZERO AIRCRAFT CHANGES



100% BACKWARDS COMPATIBLE
with current EU installations

NO DOWNTIME
for EU removal & replacement

NO CHANGES
to rack, harness, wiring, or displays ...

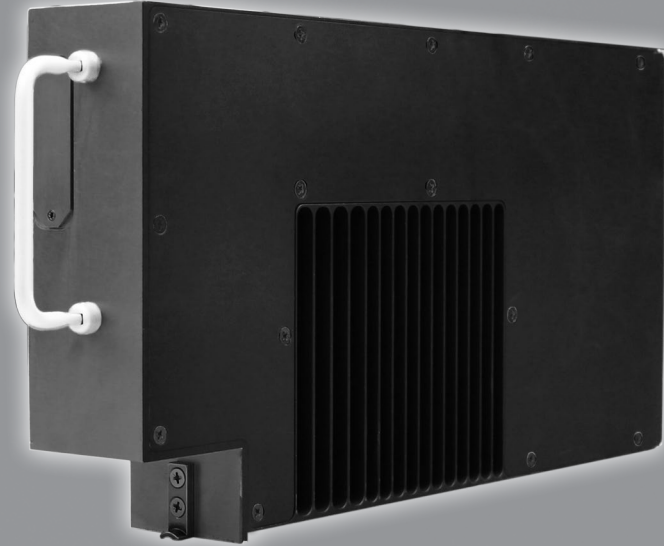
Platform Improvements

10X INCREASE
in processing power

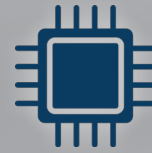
3X RELIABILITY
of SSD vs BP4 HDD

3LBS / AIRCRAFT
weight reduction (for 2 EUs)

Product Specifications



BP5 EU



Intel Dual-Core i5
1.8GHz 8GB RAM



Windows 10™ IoT OS



240GB SSD Memory



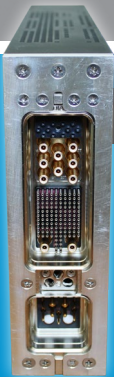
ARINC 429	16 Rx 8 Tx
ARINC 717	1 Rx
Ethernet	5 (100 BASE-T)
Eth. (Fiber)	1 (1000 BASE-SX)



2 MCU Rack Mounted
<12.0LB / <5.45KG



**DO-254, DO-178B DAL D,
& DO-160G**



MODULAR DESIGN

- Upgradeable SSD memory
- Processor mezzanine card for SRU upgrades
- Secondary card slot for additional processor

APP DEVELOPMENT

- Same OS as mobile devices
- Write or port apps for BP5 EU
- Boeing SDK available

