

Overview

APCD's USB power technology can be integrated into any IFE system and customized to fit anywhere in the aircraft interior. Our dual USB modules can be configured with any combination of USB-A and USB-C to meet new and legacy PED charging requirements. Safety is a top priority when it comes to the aircraft which is why our devices use auto load balancing for safe power distribution when charging multiple devices. The 60 watt dual USB, like all other configurations, provides overcurrent and over temperature protection and leverages the technology of the latest USB charging protocols to effectively charge PED's.

Features

Lightweight and robust thermoplastic housing
Configurable ports and current ratings
Overcurrent and over temperature protection
Thermal management and auto load balancing
Run standalone or configured by upstream host
Light pipe charging indicator
DO-160 compliant



Specifications

ELECTRICAL	
Input Voltage	28VDC ± 10%
USB-A Output Voltage	5VDC
USB-A Output Current	2.1A Max
USB-C Output Voltage (configurable per USB PD)	5VDC, 9VDC, 15VDC, 20VDC
USB-C Output Current	3A Max
USB Charging Schemes	USB BC 1.2 (DCP, CDP, SDP), Apple Charging, USB PD 3.0
USB Data	USB 2.0 or USB 3.0
PHYSICAL	
*Approximate Weight (grams)	4.0 oz. (113)
*Approximate Dimensions H"xW"xD" (mm)	3" X 2" X 2" (76 X 51 X 51)
Mating Cycles	30,000 each port
OPERATING TEMPERATURE	
Upper Limit	+55C
Lower Limit	-15C

* 60 Watt module is max, other single and dual configurations will be smaller and lighter