

Cab-n-Connect P100



Portable Streaming Wireless System

- ▶ Small Form Factor Portable Streaming In-Flight Entertainment System
- ▶ Unique Multi-Processor architecture (CPU, MCU, AP)
- ▶ Support for 100 streaming client devices utilizing dual 802.11 ac/abgn radios
- ▶ Dual swappable batteries for up to 8 hrs of video steaming content
- ▶ Up to 6 TByte of fixed content storage & 2 TByte of removable storage

POSSIBILITIES START HERE



The Kontron Portable Cab-n-Connect P100 is a powerful wireless streaming platform that is flexible to meet your specific In-Flight Entertainment requirements. The system supports dual hot-swappable batteries for up to 8 hrs of streaming video content and dual WiFi radios for connecting up to 100 client devices. Up to 6 TByte of fixed storage ensures unlimited content and the removable storage (up to 2 TByte) device supports quick updates. The ultra small and light weight platform supports Docker Applications and Virtual Machines which makes it simple to integrate your IFE content management system.



// Unit shown with cover removed.
Power Buttons for On/Off.
Bay for: 2x removable batteries,
1x removable storage

▶ TECHNICAL INFORMATION

DIMENSIONS		9.0" (23cm) x 3.5" (9cm) x 12.6" (32cm) (H x W x D)
PROCESSOR MODULE		Broad Range of Intel Atom® C3xxx 2Core - 16Core ("Denverton")
BATTERY / POWER		2x Hot-Swappable Batteries (Li-ion), 49 W/hr each Nominal 24 V DC (max. ratings 21-53 V DC), Kycon KPJX-PM-4S-5 socket ("4-Pin Power DIN") Main Power On/Off Button & Enable Button via front panel External AC/DC (wide range) PSU included
STORAGE		500 GByte NVME fixed Storage (other options available) 1x 500 GByte U.2 Removable Storage (other options available) Combined up to 8 TByte of storage possible – contact factory for options
NETWORKING	WIFI AP WIFI ON CPU 4G/LTE	Dual 802.11ac/abgn radios (2x 2 MiMo) Dual 802.11ac/abgn (2x 2 MiMo) with Bluetooth 5.0 LTE-Advanced+ modem (CAT 12) with global coverage Mini SIM access via rear panel Embedded Antenna (Main & Diversity)
	ETHERNET	1x GbE (RJ45) via rear panel (Optional: 10GbE RJ45 (CAT 6))
I/O	USB SERIAL DISCRETES	1x USB 3.0 Type A behind front cover 1x RS232 (DB-9) behind rear cover Optional 5x Input Discrettes (opto-isolated)
SENSORS	MCU (Cortex®-M4F) MANAGES	ADS-B Receiver (integrated antenna), Accelerometer, Gyroscope, Humidity, Magnetometer, Barometric Pressure, Temperature
USER INTERFACE		1,8" full color (160 x 128 px) for status information 1x Power Button, 1x Power Switch (behind front cover) 5x user interface buttons w/ LED ring (1x WiFi On/Off, 4x user configurable via software)
OPERATING SYSTEM		Basic Linux OS Support Suggested: SGOS with support for Dockerized Applications and VMs
MTBF		43,684 hrs 25C, Ground Benign
WEIGHT	P100 WITH BATTERIES P100 WITHOUT BATTERIES (2X) SINGLE LI-ION BATTERY	9.5 lbs (4.3 kg) 8.5 lbs (3.8 kg) 0.5 lbs (0.23 kg)

▶ GLOBAL HEADQUARTERS

Kontron Europe GmbH

Gutenbergstraße 2
85737 Ismaning, Germany
Tel.: +49 821 4086-0
Fax: +49 821 4086-111
info@kontron.com

www.kontron.com