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

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Product Highlights

Cab-n-Connect™ P100

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-S 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 ETHERNET	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) 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 Discretes (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)

About Kontron

Kontron is a global leader in IoT/Embedded Computing Technology (ECT) and offers individual solutions in the areas of Internet of Things (IoT) and Industry 4.0 through a combined portfolio of hardware, software and services. With its standard and customized products based on highly reliable state-of-the-art technologies, Kontron provides secure and innovative applications for a wide variety of industries. As a result, customers benefit from aceerated time-to-market, lower total cost of ownership, extended product lifecycles and the best fully integrated applications.

For more information, please visit: **www.kontron.com**

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