AP-551

Wideband Audio Interface

CCX
T E C H N O L O G I E S

The AP-551 Wideband Audio DataPHY can record Audio from microphones, analog cryptography systems, sonar systems, or any other equipment that generates standard band-width or wideband analog audio signals. In a 1 by 2 by 3 inch enclosure it is the world's smallest installable audio interface.

The AP-551 can also be used as a SIP Terminal that interfaces with an external headset or handset.

Within a very small form factor, the Wideband Audio DataPHY contains two audio receivers and one audio transmitter, a Gigabit Ethernet interface, an 802.11ac WiFi Radio, an integrated antenna, and 120GB of local storage.

Features

– Lightweight and compact
– Can function as a SIP Terminal
– Record Audio data and forward it to other SystemX based or third party equipment
– Collected data can be monitored as part of an avionics Intrusion Detection System
– Includes a customized version of the SystemX Operating System
– Integrated antenna
– 120GB for data storage

Audio Data

Technical Information

Dimensions	2.46"L x 2.08"W x 1.05"H
Weight	0.35lb
Mounting Provisions	2 mounting holes for #6 bolts or screws; flange mount. Option to install in 2 or 4 MCU form factor with an IK-350
Connectors	MIL-DTL-24308G 26-pin Male HD D-sub
Operating Voltage	28VDC
Typical Power Consumption	2.5W
Maximum Power Consumption	5W
WiFi[1]	IEEE802.11ac/n/a/b (WiFi 5), 2.4GHz/5GHz, radio with radio enable discrete input
Ethernet	10/100/1000 BASE-T IEEE 802.3 Compliant Ethernet Ports with: ACS, Automatic MDI/MDIX crossover, Automatic polarity correction, and IEEE 802.3u compliant auto negotiation
Wideband Audio	100kHz bandwidth, single-ended or differential analog audio
Discrete GPIO	ARINC-628 GND/Open and High/Low Sensing Discrete Inputs/Outputs
Data Storage	120GB
Environmental Qualifications	RTCA DO-160G

[1]All DataPHYs are available with hardware disabled WiFi radios for applications with security requirements that don't allow for wireless connections.

Interfaces

QTY	Interfaces	Standards
1	Ethernet	1000/100/10BASE-T (IEEE 802.3ab/u/i)
1	WiFi (Integrated Antenna)	IEEE 802.11ac/n/b/a (2.4 GHz/5GHz)
2	Audio Receiver	Single-ended or differential analog audio
1	Audio Transmitter	Single-ended or differential analog audio
1	Radio Disable Discrete Inputs	ARINC-628
2	Discrete Output	ARINC-628
2	Discrete Input	ARINC-628
1	Power	28V DC

Contact us:

🌐 ccxtechnologies.com

✉ info@ccxtechnologies.com

📞 +1 (613) 695-9434

Powered by

CX
SYSTEM X