

**Aumictech**

Test & measurement · bought, sold, repaired, calibrated

Data Sheet

August 13, 2026

L3 COMMUNICATIONS

L3 Communications FA2100

Example Two Hour PN: 2100-1020-00 ARINC 757, 120 minutes Internal Assemblies: Aircraft Interface PWA, Audio Compressor PWA, Acquisition Processor PWA, Crash Survivable Memory Unit Replacement: direct replacement path for Fairchild A100A / A100S / A200S on selected 2100-1020 dash numbers Specs from L-3 FA2100 CVR product sheet (MKT048) and FA2100 series CVDR brochure. Confirm 30 vs 120 min part number, OMS/datalink options, and 12 W vs 13.8 W consumption on the installed dash. Internal Assemblies: Aircraft Interface PWA, Audio Compressor PWA, Acquisition Processor PWA, Crash Survivable Memory Unit Replacement: direct replacement path for Fairchild A100A / A100S / A200S on selected 2100-1020 dash numbers Specs from L-3 FA2100 CVR product sheet (MKT048) and FA2100 series CVDR brochure. Confirm 30 vs 120 min part number, OMS/datalink options, and 12 W vs 13.8 W consumption on the installed dash.



MODEL

**L3
Communications
FA2100**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

FA2100

LISTING

<https://aumictechlabs.com/products/fa2100-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The L3 Communications FA2100 is a family of solid-state cockpit voice recorders (CVR), flight data recorders (FDR), and combined cockpit voice and data recorders (CVDR) certified for civil and military fixed- and rotary-wing aircraft. These systems deliver proven performance in demanding aviation environments with high-quality audio and flight data capture, storage, and

retrieval. Solid-state architecture eliminates mechanical components, reducing size and weight while improving reliability across diverse aircraft platforms. Technical Specifications Cockpit Voice Recorder (FA2100 CVR) Recording capacity: up to 2 hours, 4-channel high-quality audio Audio processing: low-pass filtered, sampled, digitized, compressed, and stored Headphone output: 600 ohms at control unit; optional 8 ohms Bulk erase: fail-safe, double electric interlock, 5 seconds to completion Direct replacement for Fairchild A100A, A100S, and A200S models FAA certifications: TSO-C123a, TSO-C123, TSO-C124b Flight Data Recorder (FA2100 FDR) Data recording capacity: minimum 25 hours of flight data Data rates: 64, 128, 256, or 512 words-per-second (wps) ARINC 573/717/747 compliant MIL-STD-1553 interface available FAA certification: TSO-C124a Cockpit Voice and Data Recorder (FA2100 CVDR) Voice capacity: up to 2 hours, 4-channel audio Data capacity: minimum 25 hours at 64/128/256/512 wps ARINC 573/717/747 and ARINC 429 I/O compliant MIL-STD-1553 interface available FAA certifications: TSO-C123a and C124a; TSO-C123 and C124b Key Features Onboard Maintenance System (OMS) reporting across all models ATC data link messaging and CPDLC capability (CVR models) Rotor Speed and GMT interfaces Environmental compliance: RTCA/DO-160C, RTCA/DO-178B Level C ISO 9001:2008 and AS9100:2009 Rev. C certified manufacturing Compatibility & Integration FA2100 CVR models integrate ARINC 557 and 757 standards. FDR and CVDR variants support ARINC 404A and full EUROCAE MOPS compliance (ED-55, ED-56A, ED-112). All models accept standard aviation avionics interfaces including optional MIL-STD-1553 bus architecture.

Features & description

From manufacturer datasheet

Features

- 30 or 120 min high-quality 4-channel solid-state CVR

FA2100 Characteristics / Specifications

PARAMETER	VALUE
Model	FA2100
Manufacturer	L3 Aviation Recorders / L3Harris
Instrument Type	Solid State Cockpit Voice Recorder
Series	FA2100
Alias	FA2100; FA2100 CVR; L3 FA2100; SSCVR
Form Factor	1/2 ATR short (ARINC 404A)
Dimensions	5.5 inHx 5.0 inWx 12.6 in D (14.00 × 12.70 × 32.00 cm)
Weight Nominal	10 lb (4.49 kg); later CVDR short 10.6 lb (4.8 kg) max
Recording Time	30 min or 120 min high-quality 4-channel (part-number dependent)
Audio Channels	4
Audio Bandwidth	7 Hz to 6 kHz
Rotor Speed	capable (OMS/CPDLC variants as optioned)
Control Unit Power	18 Vdc, 25 mA short-circuit protected for control unit/microphone preamplifier
Aircraft Power	115 V, 400 Hz or 28 Vdc
Consumption CVR Sheet	12 W max AC; 10.5 W max DC
Consumption CVDR Sheet	13.8 W max AC; 12.3 W max DC
Connector Rear	57-pin DPXB
Mating Connector	ITT Cannon DPXBMA-57-33S-0001 or equivalent
Headphone Monitor	600 ohm at the control unit; optional 8 ohm
Bulk Erase	fail-safe, double electric interlock
Underwater Beacon	beacon, six-year battery and bracket supplied with unit
Operating Temperature	-55 to +70 C
Nonoperating Temperature	-55 to +85 C
Operating Altitude	-1000 to 55000 ft
Vibration	DO-160C Para 8.6.2 CategoryCrandom

PARAMETER	VALUE
Impact	ED-56A 3400 g, 6.5 ms half-sine
Static Crush	ED-56A 5000 lb
Penetration	500 lb / 10 ft / 1/4 in probe
Fire Protection	50000 BTU/sq ft/hr for 60 min at 1100 C; 10 hr at 260 C
TSO	FAA TSO-C123a
Regulatory	ARINC 404A, 757; EUROCAE MOPS ED-56A; RTCA/DO-160C; RTCA/DO-178B LevelC Example Thirty Minute PN: 2100-1010-00 ARINC 757, 30 minutes
Example Two Hour PN	2100-1020-00 ARINC 757, 120 minutes
Internal Assemblies	Aircraft Interface PWA, Audio Compressor PWA, Acquisition Processor PWA, Crash Survivable Memory Unit
MTBF Listing	greater than 50000 hr
Replacement	direct replacement path for Fairchild A100A / A100S / A200S on selected 2100-1020 dash numbers Notes Specs from L-3 FA2100 CVR product sheet (MKT048) and FA2100 series CVDR brochure. Confirm 30 vs 120 min part number, OMS/datalink options, and 12 W vs 13.8 W consumption on the installed dash.
Bandwidth	7 Hz to 6 kHz

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Operating temperature	55 to +70 C
Operating Temperature	55 to +70 C
Nonoperating Temperature	-55 to +85 C
Operating Altitude	-1000 to 55000 ft
Vibration	DO-160C Para 8.6.2 CategoryCrandom
Impact	ED-56A 3400 g, 6.5 ms half-sine
Static Crush	ED-56A 5000 lb
Penetration	500 lb / 10 ft / 1/4 in probe
Fire Protection	50000 BTU/sq ft/hr for 60 min at 1100 C; 10 hr at 260 C
TSO	FAA TSO-C123a
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Full OEM specifications

Complete technical content extracted from the manufacturer datasheet. Sparse OEM tables are reconstructed as tables below; other text is preserved as paragraphs.

Specifications	
Specifications	
PARAMETER	VALUE
Model	FA2100
Manufacturer	L3 Aviation Recorders / L3Harris
Instrument Type	Solid State Cockpit Voice Recorder
Specifications	
PARAMETER	VALUE
Series	FA2100
Alias	FA2100; FA2100 CVR; L3 FA2100; SSCVR
Form Factor	1/2 ATR short (ARINC 404A)
Specifications	
PARAMETER	VALUE
Dimensions	5.5 inHx 5.0 inWx 12.6 in D (14.00 x 12.70 x 32.00 cm)
Weight Nominal	10 lb (4.49 kg); later CVDR short 10.6 lb (4.8 kg) max
Recording Time	30 min or 120 min high-quality 4-channel (part-number dependent)
Specifications	
PARAMETER	VALUE
Audio Channels	4
Audio Bandwidth	7 Hz to 6 kHz
Rotor Speed	capable (OMS/CPDLC variants as optioned)
Specifications	
PARAMETER	VALUE
Control Unit Power	18 Vdc, 25 mA short-circuit protected for control unit/microphone preamplifier
Aircraft Power	115 V, 400 Hz or 28 Vdc
Consumption CVR Sheet	12 W max AC; 10.5 W max DC

Specifications

PARAMETER	VALUE
Consumption CVDR Sheet	13.8 W max AC; 12.3 W max DC
Connector Rear	57-pin DPXB
Mating Connector	ITT Cannon DPXBMA-57-33S-0001 or equivalent

Specifications

PARAMETER	VALUE
Headphone Monitor	600 ohm at the control unit; optional 8 ohm
Bulk Erase	fail-safe, double electric interlock
Underwater Beacon	beacon, six-year battery and bracket supplied with unit

Specifications

PARAMETER	VALUE
Operating Temperature	-55 to +70 C
Nonoperating Temperature	-55 to +85 C
Operating Altitude	-1000 to 55000 ft

Specifications

PARAMETER	VALUE
Vibration	D0-160C Para 8.6.2 CategoryCrandom
Impact	ED-56A 3400 g, 6.5 ms half-sine
Static Crush	ED-56A 5000 lb

Specifications

PARAMETER	VALUE
Penetration	500 lb / 10 ft / 1/4 in probe
Fire Protection	50000 BTU/sq ft/hr for 60 min at 1100 C; 10 hr at 260 C
TSO	FAA TSO-C123a

Specifications

PARAMETER	VALUE
Regulatory	ARINC 404A, 757; EUROCAE MOPS ED-56A; RTCA/D0-160C; RTCA/D0-178B LevelC Example Thirty Minute PN: 2100-1010-00 ARINC 757, 30 minutes
Example Two Hour PN	2100-1020-00 ARINC 757, 120 minutes

PARAMETER	VALUE
Internal Assemblies	Aircraft Interface PWA, Audio Compressor PWA, Acquisition Processor PWA, Crash Survivable Memory Unit

MTBF Listing: greater than 50000 hr

Replacement: direct replacement path for Fairchild A100A / A100S / A200S on selected 2100-1020 dash numbers

Notes

Specs from L-3 FA2100 CVR product sheet (MKT048) and FA2100 series CVDR brochure. Confirm 30 vs 120 min part number, OMS/datalink options, and 12 W vs 13.8 W consumption on the installed dash.

Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: Available on request. Used · In stock.

Request a quote: sales@aumictech.com · +1 (484) 841-9341

Aumictech

788 S 500 E, Pleasant Grove, UT 84062
sales@aumictech.com · +1 (484) 841-9341
<https://aumictechlabs.com>

NIST-traceable calibration · SAM registered ·
30-day returns
NAICS 423690 · 811210 · 541380
Generated August 13, 2026

Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.