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Data Sheet

August 13, 2026

JCAIR

JcAir T1200B

ATG / Aeroflex T1200B ARINC 429 Control Display Unit The T1200B is an ARINC 429 Control Display Unit (CDU) used to transmit and receive all ARINC 429 words for avionics bench and on-board electrical-system test. An external 12 inch resistive-touch color LCD lets the mainframe sit away from the operator; a PS/2 mouse is optional. Standard fit is two low-speed and two high-speed ARINC 429 transmitter/receiver cards. Optional Discrete Function Interface Units (DFIU) adapt ADF/ILS, HF/VHF, DME/XPDR, RMI, control-head, and GPS/MLS families. Catalog listings sometimes appear under JcAir / ATG / Aeroflex. The T1200B is an ARINC 429 Control Display Unit (CDU) used to transmit and receive all ARINC 429 words for avionics bench and on-board electrical-system test. An external 12 inch resistive-touch color LCD lets the mainframe sit away from the operator; a PS/2 mouse is optional. Standard fit is two low-speed and two high-speed ARINC 429 transmitter/receiver cards. Optional Discrete Function Interface Units (DFIU) adapt ADF/ILS, HF/VHF, DME/XPDR, RMI, control-head, and GPS/MLS families. Catalog listings sometimes appear under JcAir / ATG / Aeroflex. ARINC 429 nav/comm LRU bench test to OEM CMM formats; decode of VOR, ILS, ADF, VHF, HF, DME, LRA, and ATC words to engineering units; on-board lighting and panel discrete control via DFIU.



MODEL

JcAir T1200B

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

T1200B

LISTING

<https://aumictechlabs.com/products/t1200b-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The JcAir T1200B is an ARINC 429 Control Display Unit designed for testing ARINC 700 series line-replaceable units (LRUs) and avionics equipment. Operating as both a bus analyzer and signal simulator, it measures and interprets avionics system outputs while generating controlled test inputs. The unit decodes navigation and communication data including VOR, ILS, ADF, VHF, HF, DME, and LRA associated words, translating BCD and BNR data into engineering units.

Technical Specifications

Receiver Ports: Low Speed: 25 KBPS maximum bit rate; 0.5 to 400 words per second High Speed: 150 KBPS maximum bit rate; 0.5 to 400 words per second

Transmitter Ports: Low Speed: 8.1 to 20.4 KBPS in 9 steps ($\pm 1 \mu\text{s}$ accuracy); word rate 5 to 32,000 ms in 1.0 ms increments ($\pm 0.5 \text{ ms}$ accuracy); maximum 300 words per second High Speed: 80/100/125 KBPS ($\pm 1 \mu\text{s}$ accuracy); word rate 5 to 32,000 ms in 1.0 ms increments ($\pm 0.5 \text{ ms}$ accuracy); maximum 1500 words per second

Port Configuration: Standard two low-speed and two high-speed TX/RX ports.

Physical Characteristics: Main unit: 7.0" H $\times$ 19.0" W $\times$ 16.0" D (rack mount); 18 lbs. Display: 12.2" H $\times$ 12.3" W $\times$ 5.7" D with resistive touch screen; 7.5 lbs. Power: 50–60 Hz, 100–240 VAC (main unit and display)

Key Features Dual-speed ARINC 429 compliance (low and high speed) Decodes VOR, ILS, ADF, VHF, HF, DME, LRA, and ATC associated words DFIU control interface via cable connectivity Standard SVGA video output and PS-2 mouse port Configurable word rates from 5 ms to 32,000 ms

Typical Applications Testing navigation/communication equipment, flight management systems, and avionics control and display subsystems within ARINC 429 architectures.

Compatibility & Integration Compatible with ARINC 700 series LRUs and major navigation/communication equipment when equipped with appropriate optional interface panels. Interfaces with JcAIR Test Systems DFIUs. Connects to external monitors via SVGA output.

Available Versions: T1200B-110 (110V) and T1200B-220 (220V); rear connector variants (T1200B-RC-110, T1200B-RC-220) also available.

Features & description

From manufacturer datasheet

Features

- External 12 inch touch LCD; front or rear display-connector versions
- Two low-speed and two high-speed ARINC 429 TX/RX cards standard
- Up to 10 words transmitted on each channel
- User Configuration menu for TX data and RX display
- Optional DFIU panels T1201 through T1207
- Rack-mount main unit 7 × 19 × 16 inch

T1200B Characteristics / Specifications

PARAMETER	VALUE
Model	T1200B
Manufacturer	ATG / Aeroflex (catalog also JcAir / IFR lineage)
Instrument Type	ARINC 429 control display unit
Alias	T1200B; T1200B-RC; 90670
LS Rx Bit Rate	25 kbps maximum
LS Rx Word Rate	0.5 to 400 words per second
HS Rx Bit Rate	150 kbps maximum
HS Rx Word Rate	0.5 to 400 words per second
LS Tx Bit Rate	8.1 to 20.4 kbps in 9 steps
LS Tx Bit Accuracy	+/-1 us
LS Tx Word Period	5 to 32000 ms in 1.0 ms increments
LS Tx Period Accuracy	+/-0.5 ms
LS Tx Max Word Rate	300 words per second
HS Tx Bit Rate	80 / 100 / 125 kbps
HS Tx Bit Accuracy	+/-1 us
HS Tx Word Period	5 to 32000 ms in 1.0 ms increments
HS Tx Period Accuracy	+/-0.5 ms
HS Tx Max Word Rate	1500 words per second
Standard Ports	2 low speed and 2 high speed TX and RX
Words Per Channel	up to 10 transmitted
Main Unit Weight	18 lb (8.16 kg)
Main Unit Size	7.0 inHx 19.0 inWx 16.0 in D (17.8 × 48.25 × 40.6 cm)
Main Unit Power	50 to 60 Hz, 100 to 240 V AC
Display Weight	7.5 lb (3.4 kg)
Display Size	12.2 inHx 12.3 inWx 5.7 in D (31 × 31.25 × 14.5 cm)

PARAMETER	VALUE
Display Power	50 to 60 Hz, 100 to 240 V AC
Display Type	color LCD with resistive touch
Pointing Device	PS/2 mouse optional
Order 110 V	90670 T1200B
Order Rear Display	934 T1200B-RC
DFIU T12	ADF/VOR/MB/ILS/Thomson MMR
DFIU T1205A	control head
Standard Manual	75610
Standard DFIU Cable	58283

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.

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Display Type	color LCD with resistive touch
Pointing Device	PS/2 mouse optional
Order 110 V	90670 T1200B
Order Rear Display	934 T1200B-RC
DFIU T1201	ADF/VOR/MB/ILS/Thomson MMR
DFIU T1202	HF/VHF
DFIU T1203	DME/XPDR/LRA
DFIU T1204	RDMI/RMI/DDI/RAI
DFIU T1205A	control head
DFIU T1207	GPS/MLS
Standard Manual	75610
Standard DFIU Cable	58283

Notes

Specs from the ATG T1200B ARINC 429 Control Display Unit datasheet (a-tg T1200B). Confirm 90670 vs T1200B-RC rear-display connectors and which DFIU overlays are present. JcAir catalog titles for T1200B refer to this ATG/Aeroflex CDU, notaJcAir 332-class ramp set.

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

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NIST-traceable calibration · SAM registered ·
30-day returns
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Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.