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Data Sheet

August 15, 2026

AMERITEC

Ameritec CRS-D

The Ameritec CRS-D Crescendo is a digital call generator that simulates telephony subscribers placing calls into network infrastructure for comprehensive testing of telecommunications equipment. It supports up to 192 simultaneous calls across eight T1 interfaces (24 channels per T1 at 1.544 Mbps) or equivalent E1 capacity (2.048 Mbps), and scales to thousands of virtual subscribers when networked with other Ameritec Crescendo, Niagara, or Squirt units. The platform accommodates analog loop-start circuits, T1 CAS trunks, E1 CAS trunks, BRI, optional PRI (in four-trunk increments), optional SS7/C7 signaling (in four-trunk increments), and Northern Telecom EBS interfaces, enabling realistic test scenarios across diverse network topologies. Compatibility & Integration The CRS-D operates as a standalone unit or integrates into larger test systems via FeatureCall LAN control, enabling distrib



MODEL

Ameritec CRS-D

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

CRS-D

LISTING

<https://aumictechlabs.com/products/crs-d-3/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

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Technical Specifications

Simultaneous Call Capacity: 192 calls (8 T1 interfaces × 24 channels)

T1 Interface: Eight 1.544 Mbps PCM T1 CAS trunks (two groups of four)

E1 Interface: Eight 2.048 Mbps PCM E1 CAS trunks (two groups of four)

BRI Support: Yes

PRI Option: Four-trunk increments

SS7/C7 Signaling Option: Four-trunk increments with dedicated Common Channel Signaling processor

Analog Circuits: Loop start lines supported

Northern Telecom EBS: P-phone protocol supported

Software Control: Ameritec FeatureCall GUI (Windows-based), manages up to 32 Crescendo units over TCP/IP LAN

Key Features

User-defined Call Scripts enable independent subscriber action control

Voice replay capability: up to 64 two-second messages (limited on ISDN-PRI and SS7 options)

Multi-party call simulation for conference testing

Script functions include signaling, dialing, Voice over Packet, digit decoding, tone send/receive, and path verification

Ameritec ScriptMate provides graphical test script development via Call Flow Diagrams

Typical Applications

Switch and trunk testing

Network infrastructure validation

Development and regression testing

QA testing under high-volume call loads

Interactive application simulation

Compatibility & Integration

The CRS-D operates as a standalone unit or integrates into larger test systems via FeatureCall LAN control, enabling distributed load generation across multiple Crescendo platforms.

CRSD Characteristics / Specifications

PARAMETER	VALUE
Model	CRS-D
Instrument Type	digital bulk call generator
Family	Ameritec Crescendo
T1 Spans	up to 8 T1 on a T1-configured CRS-D
T1 Channels	24 DS0 per T1; 192 simultaneous calls at 8 spans
Line Rate Class	1.544 Mb/s T1 (DS1) on T1 builds
Analog Circuits	analog subscriber simulation supported
E1 Circuits	E1 subscriber simulation supported
Pri Isdn	Primary Rate ISDN supported
Bri Isdn	Basic Rate ISDN supported
Ss7	SS7 signaling supported
Ebs	EBS (P-phone) supported
Script Features	signaling, dialing, VoP, digit decode, tone send/receive, path verify, voice replay
Gui	Ameritec FeatureCall Windows GUI
Script Tool	ScriptMate graphical call-flow diagrams
Scale Solo	one to hundreds of telephony subscribers
Scale Group	thousands when grouped with Crescendo, Niagara, or Squirt
Rear T	two 25-pair Amphenol/RJ21 on documented T1 units
Management	RJ45 network, DB25 RS-232, DE-9 aux and audio per CPU side
Ship Weight Class	30 to 58 lb (reseller listings)
Form Factor	rack-mount Crescendo chassis (4U class listings)
Manufacturer	Ameritec
Literature	Ameritec Crescendo CRS-D call generator listings; FeatureCall GUI description
System Role	bulk call generation and complex call-scenario test

PARAMETER	VALUE
Application Class	PBX, ACD, IVR, CTI, voicemail, IN, paging
Brand Lineage	Ameritec Crescendo
Queue Title	Ameritec CRS-D
Cpu Class	dual CPU-card sides on 8-span T1 builds (4 T1 per side)

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	
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Notes

From Ameritec Crescendo CRS-D literature (analog/T1/E1/ISDN/SS7/EBS, FeatureCall) and T1-build listings (8 spans, 192 calls, 1.544 Mb/s). Analog-port count and exact card stuffing are on the CRS-D configuration sheet.

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
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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.