

DBU-2328 IP

8-PORT RS-232 BROADCAST DEVICE WITH DUAL ETHERNET (STATIC IP)

Connecting Legacy. Enabling NG911.

The DBU-2328 IP securely connects legacy RS-232 devices to NG911 networks using dual Ethernet ports and industry-standard Virtual COM Port technology.

EAST COAST

DATA COM, INC.

- Products for Global Networks -



BUILT FOR NG911

Preserve legacy investments

- ✓ Enable secure, standards-based IP connectivity
- ✓ Simplify migration to NG911 systems
- ✓ Designed for mission-critical reliability

MADE IN
USA



KEY FEATURES



DUAL ETHERNET INTERFACES

Two 10/100
Base-T ports
for Network-A &
Network-B paths.



STATIC IP CONFIGURATION

Deterministic
operation with
static IP
addressing only.



VIRTUAL COM PORT SUPPORT

RFC 2217
compliant for use
with standard VCP
software.



8-PORT RS-232 BROADCAST

All RS-232
outputs transmit
the same data
simultaneously.



INDUSTRIAL RELIABILITY

Engineered for 24/7
operation in public
safety and mission-
critical environments.

IDEAL FOR NG911 APPLICATIONS



911 CALL
HANDLING
SYSTEMS
(PSAP)



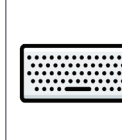
CAD / RMS
INTEGRATION



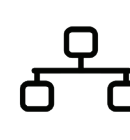
ALARM &
EVENT
REPORTING



RADIO
& MODEM
INTERFACES



CONSOLE
& AUX
DEVICES



DUAL
NETWORK

BUILT IN THE USA

Proudly designed and
manufactured in the USA

62368 SAFETY

Designed to meet stringent
safety standards

P/N 310000

DBU-2328 IP 8-Port RS-232 Broadcast Device
with Dual Ethernet (Static IP)

For more information:

sales@ecdata.com
www.ecdata.com

FEATURES, BENEFITS & APPLICATIONS

KEY FEATURES



Dual Ethernet Interfaces

Two 10/100Base-T Ethernet ports for Network A and Network B paths.



Static IP Configuration

Secure, deterministic operation with static IP addressing only.



Virtual COM Port Support

RFC 2217 compliant for use with standard Virtual COM Port (VCP) software.



8-Port RS-232 Broadcast

All RS-232 output ports transmit the same data from Server-A or Server-B connection via RTS/CTS

Industrial Reliability

Designed for 24/7 operation in demanding public safety and mission-critical environments.

NG911 APPLICATIONS

- ✓ Emergency Call Handling Systems {PSAP}
- ✓ CAD/ RMS Integration
- ✓ Alarm & Event Reporting
- ✓ Radio & Modem Interfaces
- ✓ Console & Auxiliary Device Connectivity
- ✓ Redundant Path / Dual Network Deployments
- ✓ PSAP Transition to NG911

BENEFITS

- ✓ Preserves investment in legacy RS-232 equipment
- ✓ Enables secure, standards-based IP connectivity
- ✓ Simplifies integration with NG911 systems
- ✓ Reduces risk during infrastructure migration
- ✓ Built in the USA with proven reliability

TYPICAL APPLICATIONS



911 CALL HANDLING
SYSTEMS



CAD/ RMS
INTEGRATION



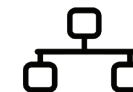
ALARM & EVENT
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TECHNICAL SPECIFICATIONS

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ETHERNET INTERFACES

Ports	2 x 10/100Base-T (A and B)
Connector	RJ-45
Configuration	Static IP only
Protocols	TCP/IP
Indicators	Link/Activity (per port)

RS-232 OUTPUT INTERFACES

Ports	8 (Broadcast)
Connector	DB-25 Female
Signals Supported	RXD, RTS, CTS, DCD
Data Rates	Up to 19.2 Kbps
Parity	8, N, 1

LED INDICATORS (FRONT PANEL)

PWR	Power
Port-A/ B RTS	RTS Status for Port A and Port B
Active	Ethernet Activity
Test Patt.	Test Pattern Active
RXD	Receive Data
CTS	Clear To Send

EVENT LOG FEATURES

- Event Time Stamps
- INPUT A/B Failover
- Network Status
- many others..



INPUT PORTS (A & B)

Enable / Disable	Per Port
Connector	RJ-45
Indicator	Green = Enabled

POWER

Input Voltage	90-240 VAC, 50/60 Hz
Power Consumption	Less than 3 watts total
Connector	IEC 60320 C14

ENVIRONMENTAL

Operating Temperature	0°C to +50°C
Storage Temperature	-20°C to +70°C
Humidity	5% to 95% non-condensing

MECHANICAL

Form Factor	1U Rackmount
Dimensions	19.0" W x 7.0" D x 1.75" H (482.6 x 177.8 x 44.5 mm)
Weight	6.0 lbs (2.7 kg)
Mounting	19" Rack Ears Included



BUILT FOR RELIABILITY.

Proudly designed and manufactured in the USA to meet the demanding requirements of public safety and mission-critical networks.

PROTOCOLS

TCP/IP	RFC 793
VIRTUAL COM PORT	RFC 2217

COMPLIANCE & SAFETY

Safety	UL-62368-1
EMC	FCC Part 15 Class A

SECURITY FEATURES

TPM 2.0 chip with FIPS 140-3 Level 2 compliance

ORDERING INFORMATION

Part Number	310000
Model	DBU-2328 IP
8-Port RS-232 Broadcast Device with Dual Ethernet (Static IP)	
Includes:	
• Rackmount Ears • AC Power Cord • Quick Start Guide	

MADE IN
USA



ABOUT THE DBU-2328 IP

The DBU-2328 IP is a high-reliability 8-port RS-232 data combiner that simultaneously broadcasts data to all RS-232 outputs.

With dual 10/100 Ethernet ports and support for Virtual COM Port software (RFC 2217), it provides a secure, standards-based solution for integrating legacy serial devices into NG911 network environments.

SUPPORTED VCP SOFTWARE

- Tera Term
- HWVSP3
- Serial Over LAN (SOL)
- Open Source VCP Tools
- And others compliant with RFC 2217



3-YEAR LIMITED WARRANTY

Backed by East Coast Datacom's commitment to quality and customer support.

BUILT IN THE USA

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62368 SAFETY

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P/N 310000

DBU-2328 IP 8-Port RS-232 Broadcast Device with Dual Ethernet (Static IP)

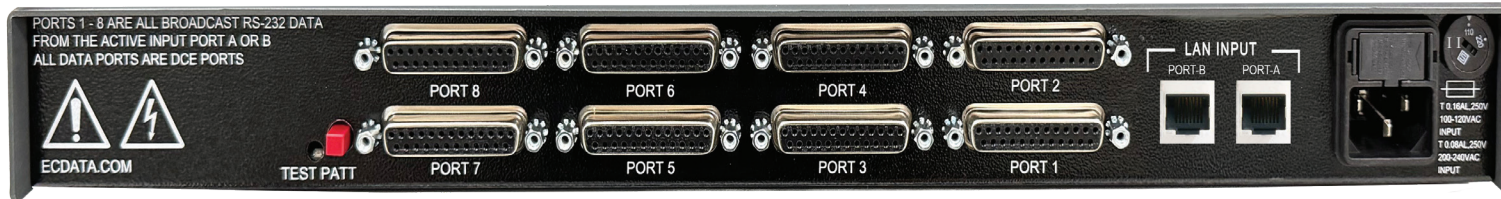
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REAR PANEL

EAST COAST
DATACOM, INC.

- Products for Global Networks -



REAR PANEL FEATURES

- 8 RS-232 Broadcast Outputs (DB-25 Female)
- Dual 10/100Base-T Ethernet Ports
- IEC Power Connector
- Built-in Test Pattern LED
- Rugged 1U Rackmount Design
- Made in USA

TYPICAL NG911 DEPLOYMENT



BUILT IN THE USA

Designed and Manufactured in the USA for reliability you can trust



DEFENSE GRADE

Engineered for 24/7 operation in mission-critical and public safety environments



EXPERT SUPPORT

Dedicated customer support and technical assistance when you need it.

EAST COAST DATACOM, INC

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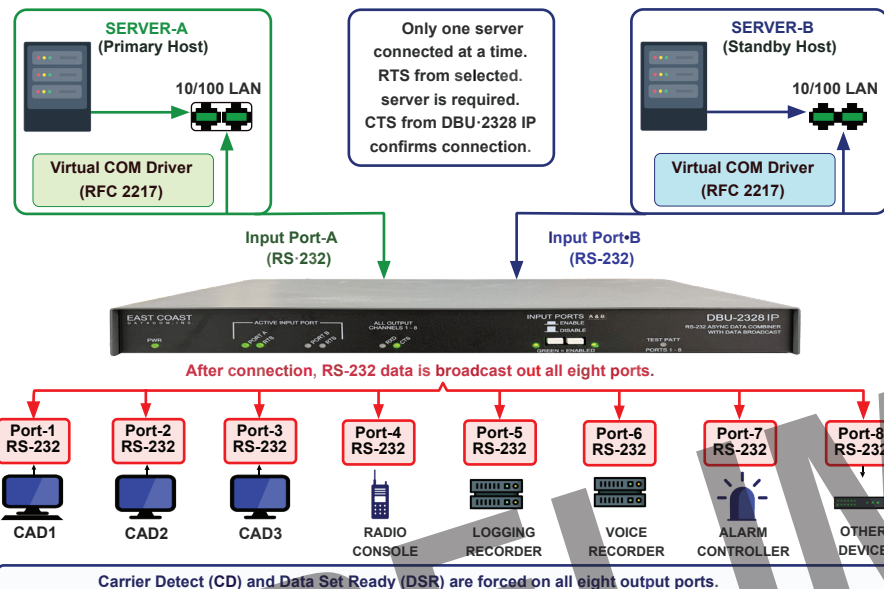
DBU-2328 IP

Mission-Critical Serial Device Server
for 911 & Next Generation 911

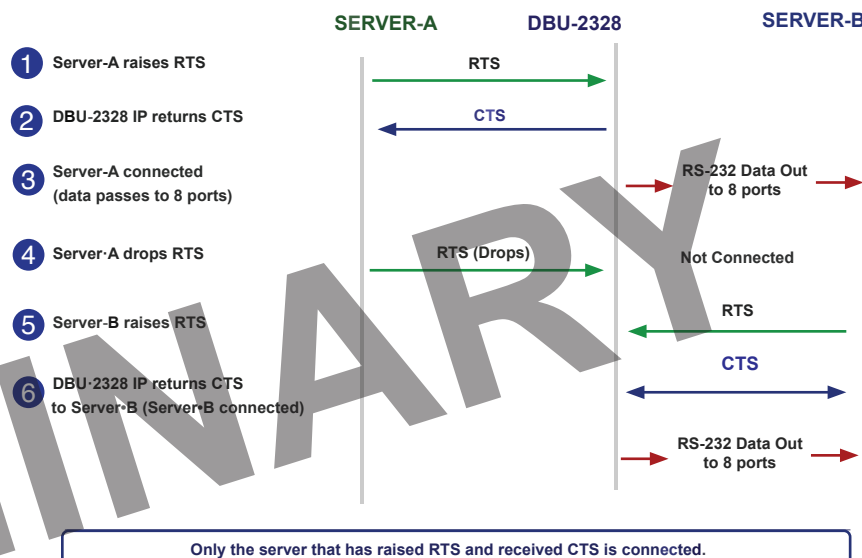
Preserve Your Legacy. Enable Your Future.



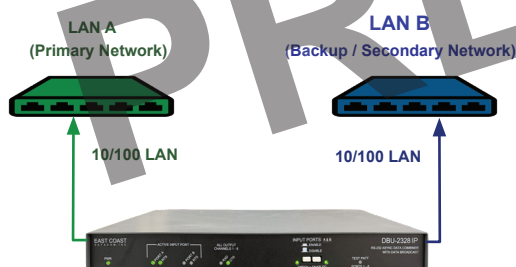
1. DBU-2328 IP SYSTEM ARCHITECTURE



2. CONNECTION SEQUENCE (RTS / CTS HANDSHAKING)



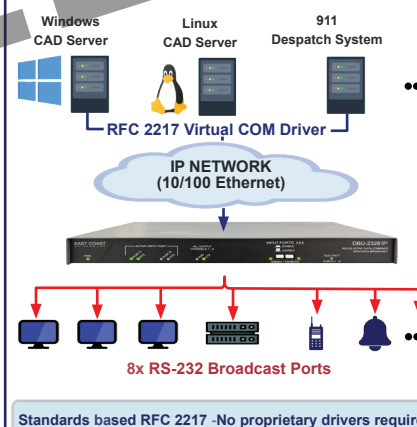
3. DUAL 10/100 ETHERNET NETWORK CONNECTIVITY



Benefits

- Redundant Ethernet connectivity
- Automatic failover on link loss
- Separate dispatch or security zones supported

4. VIRTUAL COM (RFC 2217) ARCHITECTURE



5. ENTERPRISE MANAGEMENT & MONITORING

