Canary Serial to UTP Converter / Device-Servers

Featuring:

- **Manageable Device Server Links RS-232, 422, 485 to 10/100 Mbps Ethernet**
- **Compact Enclosure & RJ-45/UTP Link Connections for Maximum Flexibility**
- ***"We Expand Data Availability and Deliver Increased Customer Satisfaction!"***

CSE-D9-TX RS-232, RS-422 & RS-485 Serial-to-Copper Ethernet Device-Servers [Protocol Media Converters] seamlessly link Process-Control Networks and their associated Serial Data Traffic to Corporate Operations, Administration and Management (OAM) personnel for real-time monitoring and control.

OAM oversight strengthens the integration of distributed production processes (and sensor data) with Management applications and centralized, TCP/IP-accessed, corporate-based services. Simultaneously, *CSE-D9-TX* Device-Servers enable immediate visibility and reach, to deep within dispersed process automation-control networks.

Canary Manageable Serial-to-Ethernet UTP Device-Servers/Converters represent a cost-effective, flexible solution for network administrators eager to keep costs down when upgrading their relatively narrow-function, Serial Process-Control networks to easily take advantage of widely available, commercial Ethernet communication devices.

Device Servers are ideal for inter-connecting Serial production equipment located in Municipal/Utility and manufacturing intensive environments with Management-centric, TCP/IP-based, Ethernet communications networks to provide control-room mangers, with high-availability, extended-reach, real-time access to sensor, video and PLC device-data originating from throughout the production process areas.

CSE-D9-TX Serial Device Server: RS-232, 422, 485 to UTP Ethernet

RS-232, RS-422, RS-485 protocols Connect to 10/100 Mbps Ethernet

- ### User-Friendly:

  Simple Installation with "Plug & Go" UTP connections provides quick & flexible IP links for Easy network access, configuration and control of remote Serial devices

- ### Simple, Versatile, Controller / Device Integration:

  Expands reach & availability of Serial RS-based Sensor and Factory Control networks to provide powerful options for direct monitoring of Municipal Utility operations such as water treatment & purification

  Simplifies distribution and storage of multiple legacy CCTV camera signals via IP-based networks under direct Management control

  Extends limited 15-meter TIA/EIA-574 compliant, shielded copper cable transmissions by *Converting* traffic to ubiquitous low-cost, longer-range, UTP cabling

- ### High Visibility with Flexible TCP/IP Networks:

  Enables Management to utilize low-cost Ethernet IP (UTP) equipment for enhanced visibility into dispersed factory processes and installations

"We Deliver Increased Confidence & Satisfaction to the Customer!"

Canary Communications

Main Features:

Standards:

- EIA/TIA-232, EIA/TIA-574, EIA/TIA-422, EIA/TIA-485 & CCITT V.28
- IEEE 802.3, IEEE 802.3u, RFC-1149

Networking – Local Ethernet Interfaces:

- One RJ-45: 10BASE-T & 100BASE-TX: Auto-crossover & Auto-negotiation enable half/full duplex Ethernet Links to IP Host equipment with standard 100-meter links.

Serial Connections:

- One Serial RS-232, RS-422, RS-485 (DB-9 Male) connector
- Serial port asynchronous data-rate up to 115.2 Kbps
- 2-wire half-duplex asynchronous transmission support (RS-485)
- 4-wire full-duplex asynchronous transmission support (RS-422/485)
- Extended transmit distances to 1.2 Km over 24 AWG (RS-422/485)

Management:

- Management Access via Console Port, Telnet, Web Browser
- Management Configuration via Menu-Driven, Command Line Interface (CLI), and Graphic User Interface (GUI)

Configurable/ Managed Elements:

- DHCP Configuration, RS-232/422/485 UART, TFTP Firmware Updates, Master, System & Back-up Configuration, IP Traps
- SNMP Community and User & Device Server Configurations
- DIP-Switch Configured RS-232, RS-422, RS-485 Modes & Termination (TMR) Enable/Disable
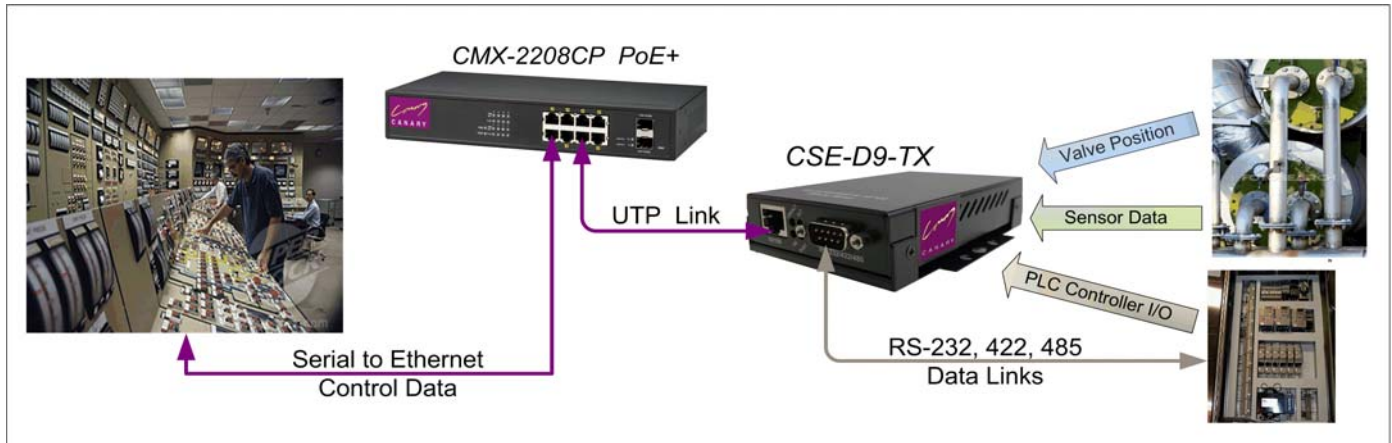
Please contact Canary for additional technical details.

Specifications:

Power:	Wall-mount:	Input: 110/220 VAC 50/60 Hz Line & Output: 9 – 32 VDC to Device	**LED Function:**	LNK/ACT: Indicates Good Link and UTP/RJ-45 Data Traffic is present
Temperature:	Operating: Storage:	0º C to 50º C -20º C to 80º C		PWR: Indicates unit is Powered-up & is normal
				POST: Indicates normal operation after Self-Test
Humidity:	Operating: Storage:	10% to 80% RH (non-condensing) 5% to 90% RH (non-condensing)		ACT: Indicates unit receiving Data Packets and Serial Data being Transmitted or Received
Emissions:	FCC Part 15 of Class A and CE Approved			100: Indicates RJ-45 is in 100BASE-TX mode
Safety:	EN 60950		**Dimensions:**	4.4 x 2.9 x 0.92 Inch (D x W x H)
Weight:	0.35 Lb. [0.16 Kg] (Unit W/O Power)			109.2 x 90.0 x 31.5 mm (D x W x H)

Applications:

- Wafer fabrication, CNC, EDM & 3-D Printing systems
- Factory Robotics, Automation & SCADA [control] systems
- Industrial/Factory/Laboratory HVAC Environmental control systems
- Security cameras & other remotely distributed Serial devices
- Metropolitan/Municipal Water-treatment & Power-grid SCADA systems

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For more information, please visit us at:
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*The Canary Communications QMS
is Certified to ISO 9001:2015*

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