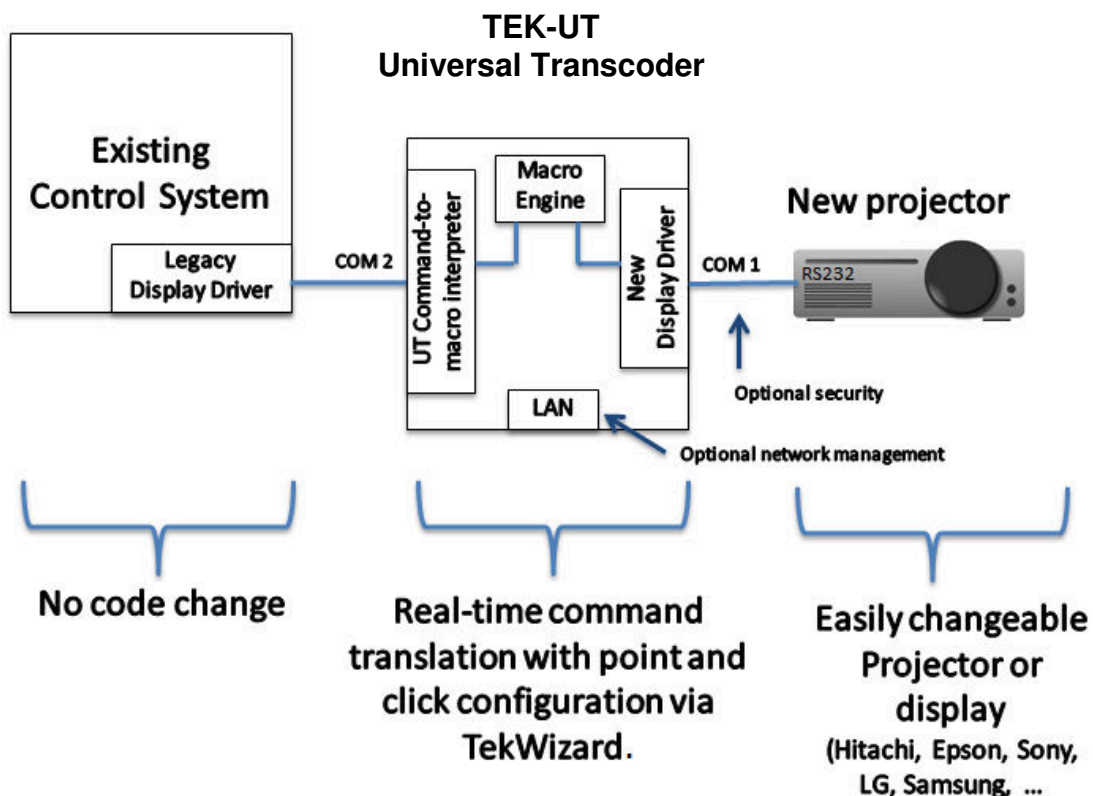The Tek-UT TekMonitor Universal Translator makes different makes/models of displays interchangeable without any need for programming changes. Tek-UT converts RS-232 control protocols from one display to another by using a macro engine with drivers for both displays loaded. With minimal adjustment of the macro functionality to match commands seamlessly, the commands can be translated to the new display's control protocol, all using the original RS232 control cabling.

The Tek-UT Display COM port connects to the new display and is loaded with a normal device driver to communicate with the display. The System COM port connects to the control system and loaded with a special translator driver that emulates the original display. Commands that are received by the control system are then converted by the driver into Macro commands where they are manipulated by the Macro engine. Once a Macro command is received, the Macro can then either send commands to the new display or send feedback data back to the control system.

Features:
- Change display manufacturer, make, or model with no programming changes required
- Seamlessly translates RS-232 commands and feedback data in real time
- Point-and-Click Command Mapping with TekWizard, a component of TekManager
- Shipped fully functional, pre-programmed, and rigorously tested

Ethernet Interface	RJ45 Female
Data Rate	10/100Base-T, half/full duplex w/ auto-sensing
Network Protocols Supported	DHCP, ICMP (ping), TCP/IP, UDP, Telnet, SMTP
TekSecurity Interface (COM 1)	RJ12 Female modular connector
Serial Control	RS232 serial TX & RX
Security Input	ESD-protected input w/ internal 10kΩ pull-up resistors
LED Output	Open-collector Darlington w/ 300mA @ 24V
Pull-up	2.7kΩ 1/4W resistors connected to 24V (9mA)
COM Interface (COM 2)	3-position Phoenix Connector
Serial Control	RS232 serial TX & RX w/ earth ground interface
TekBus Interface (COM 3)	4-position Phoenix Connector
Serial Control	RS485 or RS232 serial TX & RX w/ earth ground interface
Power Output	Selectable 12 or 24V DC output, 350mA max output
Occupancy Sensor Interface	3-position Phoenix Connector
Input	ESD-protected w/ internal 10kΩ programmable pull-up/down resistor
Power Output	Selectable 12 or 24V DC output, 350mA max output
Flexible I/O 1 & 2 Interface	3-position Phoenix Connector
Flexible I/O 1 & 2	Programmable as digital inputs, outputs, or IR transmitter
Logic Input Mode	ESD-protected inputs w/ internal 10kΩ pull-up resistors, Logic High 2V & Logic Low 0.8V
Digital Output - Positive Drive	Open-collector Darlington's w/ 300mA @ 24V sourced to ground
Digital Output - Open Source	2.7kΩ 1/4W pull-up resistors connected to 24V (9mA)
Digital Output - Serial Output	TX w/ 0-12V or 0-24V modes, configurable to drive IR transmitter
General	
DC Power Supply (optional)	100-240VAC, 47/63 Hz, 0.5A, 15W
Power over Ethernet (PoE)	48VDC @ 350mA, supports PoE, PoE+ & IEEE802.3af standards
DC Power	24V DC, idle current of 60mA, max current of 650mA
Temperature	32 ~ 122°F (0 ~ 50°C)
Humidity	10 ~ 90%
Enclosure Type	Aluminum
Product Dimensions	1" (25.2mm) x 6.9" (175mm) x 3" (7.59mm)
Product Weight	0.36 lbs. (160g)
Compliances	FCC Class B, Canadian ICES-003, CE
MTBF	30,000 hours

Specifications are subject to change without notice