
	<h3>KEY FEATURES</h3> <ul style="list-style-type: none"> <li>▶ 16 SPST Form C Relays</li> <li>▶ Removable screw terminals simplify field wiring</li> <li>▶ Input power via terminal block or modular connector</li> <li>▶ DIN rail mount or table mount</li> <li>▶ Includes 6' USB Type A to USB Type B device cable(ELK-CA356)</li> <li>▶ Software supports Windows 2000/XP/Vista operating systems</li> </ul>
	

## DESCRIPTION

THE ELK-UDIO450U provides 16 SPDT Form C relays that can be easily controlled from your computer's USB port. Each relay output is rated for switching up to 60VDC @ 2A. The outputs are grouped in four-bit segments that each share a common for easy wiring. The ELK-UDIO450U is powered from your 9-30VDC source, or select from a variety of power supply options. Communicate with the ELK-UDIO450U using the SeaMAX API software libraries or use any Modbus RTU compliant device. The SeaMAX software drivers and utilities make installation and operation easy using Windows 2000, XP and Vista operating systems. Expand your I/O network with I/O "N" series products. These modules are available with Reed and Form C relays, optically isolated inputs, TTL interfaces, A/D and D/A functionality. Up to 246 additional expansion modules can be added using convenient pass-through connectors. The ELK-UDIO450U integrates USB port, which is fully compatible with standard USB cables. When used with the included USB cable with USB type B connector, the metal thumbscrew provides a secure connection to the device and prevents accidental cable disconnection.

## SPECIFICATIONS

Number of I/O	16 Outputs
Contact Voltage	60VDC max.
Contact Current	2A max.
Contact Operate Time	2ms max.
Contact Bounce Time	7ms max.
Contact Release Time	1ms max.
Operating Temperature	0 - +70°C
Storage Temperature	-50 - +105°C
Humidity range	10 - 90% R.H.
Power Requirement	9-30 VDC @ 5.3W
USB Spec.	1.1 Compliant. 2.0 Compatible
Dimensions	7.5" (L) x 5.1" (W) x 1.3" (H)

## ORDERING INFORMATION

MODEL	DESCRIPTION
ELK-UDIO450U	USB to 16 Form C Relay Outputs
ELK-410N	16 Optically Isolated Input / 16 Reed Relay Output I/O Expansion Module
ELK-420N	16 Optically Isolated Input / 8 Form C Relay Output I/O Expansion Module
ELK-430N	32 Optically Isolated Input I/O Expansion Module
ELK-440N	32 Reed Relay Output I/O Expansion Module
ELK-450N	16 Form C Relay Output I/O Expansion Module
ELK-462N	96 Channel TTL Digital Interface I/O Expansion Module
ELK-463N	96 Channel TTL Digital Interface I/O Expansion Module
ELK-470N	16 A/D, 2 D/A, 8 24V Outputs, 8 Isolated Inputs I/O Expansion Module
ELK-520N	8 Optically Isolated Input / 8 High-Current Form C Relay Output I/O Expansion Module
ELK-CA246	CAT5 Patch Cable, 7' in Length - Blue
ELK-CA247	CAT5 Patch Cable, 10' in Length - Blue
ELK-CA251	CAT5 Crossover Cable, 7' in Length - Yellow
ELK-POE-SP-EX	Power Over Ethernet (PoE) Extractor with 5V/12V Switch
ELK-POE-SP-KT	Power Over Ethernet (PoE) Kit with 5V/12V Switch
ELK-PS105	90-265VAC to 12VDC/5VDC Power Supply
ELK-RK-CLAMP	19" Rack Tray Clamp
ELK-RK1U	1U 19" Rack Tray
ELK-RK2U	2U 19" Rack Tray
ELK-TR109	120VAC to 24VDC @ 500mA, Wall Mount Power Supply - (Multiple-Unit)
ELK-TR112	120VAC to 24VDC @ 250mA, Wall Mount Power Supply - (Single-Unit)

All Specifications within this document are subject to change without notice.



RM309, Woolim e-BIZ Center, #16 Yangpyeongdong-3Ga, Yeongdeungpo-Gu, Seoul, 150-946, Korea  
 Phone : 82-2-2164-9933 Fax : 82-2-2164-9229 [www.asanst.com](http://www.asanst.com) E-mail: [elk@asanst.com](mailto:elk@asanst.com)  
 ELK is a registered trademark of ASAN ST Co., Ltd.