

Fully programmable web-enabled I/O controller for IIoT and industrial automation applications

The Linortek Ethernet I/O controller is a web SERVER. It's built on standard TCP/IP platform with a built-in web server that you can access, control and monitor your equipment over the network from a web browser. Using relay outputs, digital inputs and analog inputs, you can upgrade any stand-alone physical hardwired equipment to a network/Internet enabled product for remote control and data acquisition with Linortek Ethernet I/O controller.

Applications

- ◇ Remote gate/door control
- ◇ Building lockdown/open up
- ◇ Light control with scheduling
- ◇ Remote temperature & humid monitoring
- ◇ Remote reboot equipment
- ◇ Smart irrigation
- ◇ Water level monitoring
- ◇ Monitor machine runtime data
- ◇ Timed alert system
- ◇ And more...



Features

- ◇ Built-in web-based software
- ◇ Remotely monitor equipment status, sensor data, alarms and more
- ◇ Create conditional logic tasks with the easy-to-use task builder
- ◇ Secure Cloud-Free Solution
- ◇ No 3rd party software required
- ◇ Integrate data with other software platforms using MQTT, XML, JSON or Restful API



Learn more at:
<https://www.linortek.com/>

Linortek Ethernet I/O Controller Technical Specifications

		Ultra 300	Koda 200	Koda 100	Fargo R4ADI	Fargo R4DI	Fargo R8
Web Server	Built-in software	√	√	√	√	√	√
	Monitor data/status from web browser	√	√	√	√	√	√
Network Connectivity	Ethernet Port: 10/100Base-TX PoE	√	√	√	√	√	×
	Ethernet Port: 10/100Base-TX NIC	×	×	×	×	×	√
Configuration	From web browser	√	√	√	√	√	√
Relay Output	Dry contact, signal relay, 2 Form C, 1A @ 30VDC	2	0	0	0	0	0
	Dry contact, signal relay, 2 Form C, 2A @ 30VDC	0	4	0	0	0	0
	Dry contact: 1 Form A 48VAC@10A Max	0	0	2	0	0	0
	Dry contact, 1 Form C 48 Volt Max (12VDC/5A, 24VAC/DC 3A)	0	0	0	4	4	0
	Dry contact, 1 Form C 48 Volt Max (5A@NO, 3A@NC)	0	0	0	0	0	8
Digital Input	Isolated mode (ISO): 5-24VDC @30mA max, PULL UP mode (PU): Used with a switch	2	2	2	4	4	0
Analog Input	Isolated 2-wire input: voltage: 5V or current 4-20mA	2	0	0	4	0	0
	3.5mm stereo input for current sensor	0	0	0	2	0	0
	Temperature & humidity sensor input	1	1	1	0	0	0
Alarms	Condition: within or outside range	√	√	√	√	√	√
	Delay: optional time period	√	√	√	√	√	√
Data Report Schedules	User settable interval	√	√	√	√	√	√
Data Integration	RESTful API	√	√	√	√	√	√
	MQTT	√	×	×	×	×	×
	JSON	√	√	√	√	√	√
Security Protocols	TLS, SSL	√	×	×	×	×	×
Network Services	DHCP, DNS, TCP/IP (IPv4), UDP, HTTPs	√	√ *	√ *	√ *	√ *	√ *
Firmware Updates	Bootloader app through TCP/IP	√	√	√	√	√	√
Power Input	12-48VDC	√	√	√	√	√	√
	POE	√	√	√	√	√	×
Power Consumption	70mA	√	√	√	√	√	√
Accessories	12VDC Power supply	√	√	√	√	√	√
	RJ45 cable (1M)	√	√	√	√	√	√
Physical & Environment	DINRail mountable enclosure	70mm x 100mm x 25mm			×		
	Bare board	×			74mm x 100mm x 20mm		
	Working temperature	From 0 to +65 Celsius					
	Storage temperature	From -40 to +125 Celsius					
	Humidity	From 10% to 90% Non-condensing					

* HTTPs is not supported, only HTTP.