Flex™ Link Cables

Relay & Sensor

Global Caché
Data Sheet

CONNECT ALMOST ANY DEVICE TO A WIRED TCP/IP OR WIFI NETWORK IN MINUTES. SIMPLY.

The Flex is the first multi-functional IoT gateway that connects almost any electronic device to a WiFi or TCP/IP network so that it can be controlled and automated.



WIRED and PoE

DVD players, flat panel TVs, remote controls, stereo components, cable boxes



WIFI

Speakers, TVs, computers



FLEX LINK CABLES

Motorized window shades, pool and spa, lighting, garage doors, A/V equipment





The Global Caché' Flex is an industry first, a tiny device that connects previously unconnected hardware to a WiFi or TCP/IP network so it can be controlled and automated by the controller of your choice. Based on open systems and standards, the Flex allows for easy integration in any control environment, from high-end proprietary systems to apps on a smart phone or tablet. The Flex connects anything IR, serial, or relay (with sensor input) to a network, and supports HTTP for browser control from anywhere in the world.

Flex Family of Products

The Flex provides powerful, inexpensive, and simple connectivity to any device so it can be easily integrated with any control system, including proprietary systems as well as apps. Global Caché devices have been used for large-scale installations including hotels, stadiums, classrooms, and conference rooms across corporate campuses, to residential installations adding an automated gate, fountain, entertainment system, and so much more. The Flex scales from 1 simple add-on piece of hardware in a residence to 100's of displays in a casino or sports bar. Global Caché makes it easy to integrate our products in any environment, with many software and system providers including Global Cachè drivers in their solutions, and by publicly publishing our product API's on the Global Caché web site.

The extremely small footprint, slightly larger than a pack of gum, is ideally suited for transparent coupling and seamless integration to any device in homes or businesses. The Flex's unique hardware form, with a WiFi or network connection to a 3.5 mm jack that supports almost any type of protocol translation cable, offers the ability to bridge products and systems in a way never available before.

Flex Link Cables

The Flex Link Relay & Sensor cable is an input/output cable for use with the iTach Flex. It provides relay outputs and sensor inputs which allow control and monitoring of a variety of devices. External devices are connected via push-release terminal blocks. The enclosure can be mounted directly on a DIN rail, allowing for simple integration with external relays.

Other available Flex Link cables include:

- Serial(RS232, RS232 Mini Jack, RS485)
- IR Blaster
- IR Emitter
- 3 IR Emitters
- 2 Emitters 1 Blaster
- IR Tri-port

Technical Specs

FLEX LINK RELAY & SENSOR CABLE

Setup	Configurable using hardware jumpers (included) and through iTach Flex integrated web server or software API.
Relay Outputs	4 Integrated SPST relays with transient voltage suppression and easy push release terminal blocks. 24V AC/DC or 500mA N.O. contact relays. Allows for isolated switching of low voltage wiring.
Relay Configurations	Relay outputs are configurable into common relay types -Single Pole Single Throw (SPST) -Single Pole Double Throw (SPDT) -Double Pole Double Throw (DPDT)
Sensor Inputs	4 configurable inputs. Voltage or contact closure sense modes.
Voltage Sense Mode	Sense AC/DC voltages ±3v (RMS) to ±24v (RMS).
Contact Closure Mode	Sense contact closure. Use for input from devices or feedback from external relays.
Cable/Connector	3.5 mm four conductor jack to Flex Link Port on iTach Flex devices. 4 easy push four terminal blocks for relay and sensor connections. 16 hardware jumpers included. 4.5 ft (1.5 meters) cable. No power supply required.
Mounting	Enclosure is DIN rail mountable. Allows for simple installation in any location.
Dimensions	3.24"w x 2"l x .9"h
Warranty	Two year limited warranty. Support available via phone, email, and web portal.



Flex WiFi with
Flex Link Relay & Sensor Cable



Flex IP with
Flex Link Relay & Sensor Cable

FLEX LINK RELAY & SENSOR CABLE

FEATURES

- Flex with Flex Link Cables connects almost any electrical device to a WiFi or wired Ethernet network instantly.
- Access, monitor, automate, and control standalone equipment.
- Web-based control protocol using HTTP.
- Control and monitor equipment using just one cable
- 4 relays and 4 sensor inputs.
- Small footprint.
- HTTP API and TCP API available.
- LED indicators to show state of sensor inputs and relay outputs.
- Supports DIN rail mounting for simple installation.
- Simple push release terminals allow for quick setup.
- Easily configurable for common relay types to allow full control of your devices.
- Made in the USA and RoHS compliant.

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