Flex™ Link Serial Cables

RS232, RS232 Mini Jack, and RS485

Global Caché

Data Sheet

CONNECT ANY DEVICE TO ANY NETWORK. 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

Flex IP with Flex Link RS232 cable



WIFI

Flex WiFi with Flex Link RS485 cable



FLEX LINK CABLES

When used with a control software and Flex devices, Flex Link cables can control and automate motorized window shades, pools and spas, lighting, garage doors, A/V equipment, remote controls, cable boxes, speakers, computers, HVAC, and so much more!

Other Flex Link Cables:

- Relay & Sensor
- IR Blaster
- IR Emitter
- 3 IR Emitters
- 2 Emitters & 1 Blaster
- IR Tri-port



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 industry standards, the Flex and Flex Link cables allow 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.

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

Flex Link Serial cables allow serial devices to be controlled with the Flex family of products. With the Flex Link RS485 Serial cable, the Flex Link RS232 Serial cable, and the Flex Link RS232 Mini Jack cable, RS232 and RS485 serial devices can be simply connected to the network for seamless control.

The Flex Link RS232 Serial cable and the Flex Link RS232 Mini Jack cable provide connections to devices with different physical RS232 connectors. The Flex Link RS232 Serial cable features a standard DB9 connector that allows for swapping pins in setup. The Flex Link RS232 Mini Jack cable utilizes a 3.5 mm mini jack, allowing for direct connections to 3.5 mm mini jack RS232 ports and serial inputs on many common TVs and other AV devices.

Technical Specs

FLEX LINK SERIAL CABLES - RS232, RS232 Mini Jack, and RS485

Setup	Configurable using iTach Flex integrated web server or HTTP and TCP software APIs.
Serial Outputs	Supports standard 8 data bit serial. RS232: -Full support for Tx, Rx, CTS, RTS, DTR, and DTS signals. -Bi-directional communication with hardware handshaking. RS232 Mini Jack: -Full support for Tx, and Rx signals. -Bi-directional communication with no hardware handshaking. RS485: -Four wire (full duplex) and Two wire (half duplex) capable.
Serial Configurations	Flex Link Serial cables are configurable with the following settings: -Baud Rate: 300 baud to 115200 Kbaud. -Parity: Even, Odd, or None. -Stop bits: 1 or 2. RS232: -Flow Control: Enable hardware RTS/CTS flow control. -Gender: Allows configuration of cable gender. Allows for null modem and straight through cable creation. RS232 Mini Jack: -Gender: Allows for null modem and straight through cable creation. RS485: -Duplex: full duplex or half duplex. -RS422 compatible.
Cable/Connector	3.5 mm four conductor jack to Flex Link Port on iTach Flex devices. RS232: -Male DB9 connector with locking screws. -Includes gender changer. -5 ft (1.5 meters) cable. RS232 Mini Jack: -Male 3.5 mm mini jack stereo connector. -6.5 ft (2 meters) cable. RS485: -5 pin screw terminal block. -Connector at 90° angle for easy fit. - 5 ft (1.5 meters) cable. No power supply required.
Dimensions	RS232: 2.2″ x 1.28″ x .6″ RS232 Mini Jack: 2.48″ x .79″ x.28″ RS485: 1.5″ x 1.2″ x .7″
Warranty	Two year limited warranty. Support available via phone, email, and web portal.



Flex Link RS232 Serial Cable

Flex Link RS232 Mini Jack Cable

Flex Link RS485 Serial Cable



FLEX LINK SERIAL 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.
- TCP API for easy integration and web-based control protocol using HTTP/RESTful API.
- Control and monitor equipment using just one cable.
- Small footprint.
- RS232: Includes configurable gender setting and gender changer to make any DB9 cable type; no null modem cable needed.
- RS232 Mini Jack: Connects directly to 3.5 mm mini jack service and serial inputs and allows simple software crossover configuration.
- RS485: Full duplex and half duplex support.
- 8 simultaneous serial TCP connections.
- Made in the USA and RoHS compliant.



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