

## Global Caché GC-100 Network Adapter



### Control & Automate Common Devices Over a Network

As the number of homes and businesses with high-bandwidth Internet and networking capability has grown dramatically, so has the number of people who want to take advantage of their connected environments. Beyond access to information and services, the networked home and business can be so much more. Using network-based automation and control software, you can be safer, more energy efficient, and have more convenience and fun. Software can control and automate entertainment centers, security, lighting, irrigation, and all the appliances and devices throughout the home and workplace. Control and automation is all about saving money, time, and making life easier.

Unfortunately, most devices such as TVs, stereos, and security alarms can't communicate over networks. Top-to-bottom proprietary systems can control these devices, but are extremely expensive and require specialized dealer training for installation. Recently, more affordable control and automation software, based on open systems

and standards has become available. However, to use the new open systems software, multiple devices and sometimes piggybacked equipment is necessary to connect various types of household devices to a network. This method can be quite expensive, somewhat complex, and often unreliable. Global Caché's cost effective and easy-to-use GC-100 is designed to solve those problems.

Utilizing Global Caché's GC-100 Network Adapter the most commonly used devices can be easily managed and accessed via network-based software. Our unique modular mix-and-match design allows integrators, installers, and OEMs to control diverse systems such as entertainment, security, lighting, and irrigation in a cost effective manner.

The GC-100 Network Adapter is available in four versions, making it simple for installers and dealers to choose the right unit for each installation.

#### Key Features

- Connects IR, Sony Control-S, RS232 serial, sensors, and relay contact closures to a network
- Available in 3 sizes and a rack mount version
- 10 Base-T network port
- Very small footprint
- Flash ROM for easy software upgrades
- Only one power supply required for each enclosure
- Embedded web server for easy configuration using a browser



**Global Caché**

## Technical Specifications

Network Connection	RJ45, 10 Base-T
Power Input	12 to 18V DC@500mA (wall power adapter included)
IR	3.5mm mono jack, independent user selectable IR outputs or sensor inputs
Serial	Male DB9, RS232 up to 19.2Kbaud bidirectional hardware flow control
Relay	Screw terminal plug, 24V AC/DC@.5A N.O. contact with transient voltage suppression
Network Protocols	TCP/IP, HTTP
Management	Embedded web server
LEDs	Link, network activity, power, IR, and sensor activity
Warranty	One year limited warranty

The GC-100 Network Adapter connects a network utilizing TCP/IP to infrared (IR), serial, and relay communications, including sensor inputs that can interrupt or be polled by another network device. An embedded web server allows easy configuration from any browser. Global Caché offers several new IR products, including sensors, IR receivers, an IR learner and conversion cables (see product data sheets).

### GC-100 Network Adapter

#### GC-100-06

Power input  
Network connection  
Serial port  
Three independent IR outputs or sensor inputs  
Dimensions: 6.0" L x 3.0" D x 1.3" H

#### GC-100-12

Power input  
Network connection  
Two serial ports  
Three relays  
Six independent IR outputs or sensor inputs  
Dimensions: 12.0" L x 3.0" D x 1.3" H

#### GC-100-18

Same configuration as GC-100-12  
Dimensions: 17.5" L x 3.0" D x 1.3" H

#### GC-100-18R

Same configuration as GC-100-18 with rack mount kit installed

### Other Products

#### GC-IRE IR Extender

Extends infrared capability by converting IR signals to digital data, which can then be read from any PC or RS232 serial port. Supports the full IR frequency spectrum from 30 to 500 KHz.

#### IR Receivers & Converters

General IR Receiver  
Full Spectrum IR Receiver  
Converter Cable, GC-100 to Xantech  
Converter Cable, Xantech to GC-IRE

#### Sensors & Cables

Video Out Sensor  
AC/DC Voltage Sensor  
Contact Closure Sensor  
Extension Cables

#### GC-IRL IR Learner

Compact IR Learner used with a PC to learn the full spectrum of IR codes that control infrared driven equipment.

