

SysLINK® Family of IoT Modular Gateways



SL-1500



SL-800



SL-600



SL-500

APPLICATIONS

- Remote Access & Control
- Retail / Point-of-Sale
- Home / Building Automation
- Security / Surveillance
- Energy Management
- Health Bridge/Gateway

OPTION CARDS



FEATURES

Configurable router for IoT applications

Remote monitoring & control

Field upgradable option cards including:

- 3G and 4G cellular
- Wi-Fi, Bluetooth
- ZigBee, Z-Wave
- Serial, GPIO, GPS, Modbus

Network failover option for reliable communication

VPN option with client and server support

PA-DSS certified for secure financial transactions

The Systech® SysLINK® IoT / M2M Gateway enables remote access to a wide variety of sensors and devices for monitoring and control purposes.

The SysLINK M2M Gateway is a full-function router, including DHCP and NAT. Optional Advanced Routing includes firewall capabilities. With enterprise quality remote management, network configurations can be changed or updated remotely. The VPN option supports client and server modes using IPSec or OpenVPN.

Support for a wide range of M2M and IoT applications is achieved with modular option cards that may be populated to extend the features and functionality of the gateway. Option cards may also be installed on location.

The network failover feature provides a connection hierarchy for transitioning from one network to another based on current network health status. The priority sequence may be uniquely

defined for any application, and includes cellular, Ethernet, and Wi-Fi.

The SysLINK gateway includes an embedded Linux operating system and processor enabling execution of local software. Your own custom software may be integrated to provide application-specific, value-added features to provide a truly unique solution. Systech provides the tools for a unified development environment supporting Java, C, C++, Python, Lua, and other programming and scripting languages.

Now includes Edge Processing with SysSCRIPT-Lite



Bridging the Connected World

SPECIFICATIONS

(see table for availability on specific models)

Wireless Communication Options

Integrated Cellular: LTE, EVDO, CDMA, HSPA+, GSM, GPS*, SMA antenna connectors

Option for 2 modems with automatic failover (SL-1500)

Mini-SIM, 1.8v and 3v

Automatic repair of cellular connection

Wi-Fi b/g/n, n=2x2 MIMO*, Access Point and Client modes, WEP, WPA, WPA2, two SSIDs with independent network settings*, up to 32 connections, Reverse female SMA connectors

Bluetooth 4.0 (LE & classic), internal antenna

ZigBee, internal antenna

Z-Wave Plus, internal antenna

Wired Communication Options

Ethernet: 10/100 Mbps

Serial: RS-232/422/485, DTE/DCE

USB 2.0: Type A, Host

External General Purpose I/O option

Internal Sensor Options

Accelerometer, Temperature, Speaker, Microphone

Standard Router Features

NAT, 802.1X Ethernet port security

Route management

DHCP Server & client

Failover Option

(requires –AR software option)

Failover & fallback among all interfaces with selectable priorities

Ex: Cellular, Wi-Fi, Ethernet

Advanced Router Options

(requires –AR option)

MAC & IP address whitelist filtering

SPI Firewall with DNAT, SNAT, filter rules

Port Access, Redirection, Forwarding

IP Pass-through

ICMP/Ping flood

Ping Ignore

DMZ

VPN Options

(requires –VPN software option)

Client or Server VPN

Open VPN & IPsec tunnel, NAT-T, and transport modes

Certificate support

Hash – MD5, SHA

Encryption – AES, 3DES, DES

Power

90-264 VAC power adapter

5 VDC with locking barrel connector

9-24 VDC option

Typical power 1.5W (with no installed options),

Max 20W

Processor

400 MHZ ARM9G25 or ARM9G45

Embedded Linux 3.2

256 MBytes Flash (128 Mbytes mirrored)

128-256 MBytes RAM

Management

Remote management included at no charge

Local access via Web-based interface

Remote access via Cloud-based interface (HTTP, HTTPS)

Remote firmware upgradable

Auto reboot

CLI over SSH

Integrated help documentation

Integrated SSL security

Environmental

Operating Temp: -10° to 60°C

Storage Temp: -30° to 65°C

Operating Relative Humidity (non-condensing) 10%-85%

Storage Relative Humidity (non-condensing) 5%-90%

Certifications

PA-DSS (for PCI compliance)

FCC Class B, CE

UL, IEC

Cellular: AT&T, GFC, PTCRB, Rogers, Sprint, Verizon

Z-Wave Plus

RoHS - EU Directive 2002/95/EC

Patented Technology

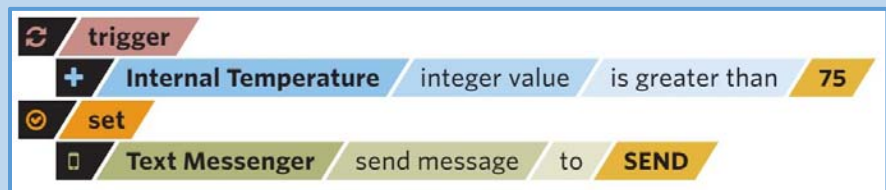
Licensed for Wireless Network Patent Portfolio, including all known mesh network patents

Note *: Future feature

Option Codes for Ordering

Option Tag	Description
CVE	Verizon EVDO
CVL	Verizon LTE/EVDO
CV4	Verizon LTE only
CV1	Verizon Cat-1
CZH	AT&T, T-Mobile, Rogers, Europe HSPA+
CSE	Sprint EVDO
W	Wi-Fi
B	Bluetooth LE
ZB	ZigBee
ZW	Z-Wave Plus
S2	Serial RS-232
S4	Serial RS-485
TM	Internal Temp & Motion
E2	Additional Ethernet
MV	Extended Voltage (9-24v)
M2	256MB RAM
SDxxx	32, 64, 128GB SD
GPExxx	GPIO
AR	Advanced Routing
VPN	VPN

Edge Processing – SysSCRIPT™ Lite



SysSCRIPT is a scripting solution that can be easily used to programmatically monitor and control local SysLINK Gateway properties.

- Powerful scripting language
- Easy remote access via cloud
- Script management for large deployments
- Simple to use
- Scripts executed locally
- No programming experience necessary

Available Models

Model	Options	Ethernet	USB	Size
SL-1500	Cellular, Wi-Fi, Bluetooth, Temp/Motion, 5v or 9-24v, 256MB RAM, ZigBee, Z-Wave	1 or 2	1	1.31 x 8.00 x 4.63"
SL-0800	1 of [Cellular, Wi-Fi], Analog POTS, Serial	1 or 2	0	1.31 x 8.00 x 4.63"
SL-0600	Cellular, Wi-Fi, Bluetooth, Temp/Motion, 5v or 9-24v, 256MB RAM, 1 of [ZigBee, Z-Wave]	1 or 2	0 or 1	1.11 x 4.48 x 3.83"
SL-0500	1 of [Cellular, Wi-Fi]	1 or 2	1 or 2	1.11 x 4.48 x 3.83"

Note: SD flash, GPIO, Advanced Routing, and VPN options available on all models.