

# Cypherbridge® Systems SDKPac™ for Synergy

**Cypherbridge®**  
Trusted, safe and secure



The Cypherbridge SDKPac for Synergy includes SDKs & Toolkits to fit a wide range of embedded applications and vertical markets. Integrated with off-the-shelf development kits, SDKPac delivers a tailored project ready solution. Add design services for end-to-end line of business applications including platform integration and system level cloud computing.



## Applications and Industries

- \* Industrial Control, Manufacturing and Automation
- \* Healthcare and Medical Device
- \* Smart Building and Energy Management
- \* Network Equipment
- \* Water Treatment, Pump Systems, Environmental Quality Control
- \* SCADA and machine control
- \* IoT Edge node gateway for low power wireless LAN to cloud
- \* Enterprise grade encryption, authentication and authorization



## SDKPac Premium

Accelerate your journey to the IoT Cloud. Partner with Cypherbridge to add project design services for device and system integration, differentiating features, and priority technical support

- \* End-to-end solution delivery for IoT device, network and cloud
- \* On-demand software development
- \* Full stack Cloud Computing and data systems engineering
- \* User and device facing Web Services
- \* Windows System Internals Driver, Advanced Security Analysis and Malware Defense

## SDKPac Features Include:

- \* uSSL TLS 1.2 server, client, secure sockets API
- \* dHTTPS Web Server, ROM file systems, forms, cookies, SSI, CGI, CSS, file transfer
- \* HTTP solutions include TLS secure client to cloud REST API. HTTP/2 protocol stack option integrated with TLS-ECDHE cipher suite
- \* uSSH server, client, SCP, SFTP and file system integrated for Filezilla, WinSCP, Putty
- \* IoT Device Client, JSON, TLS secure uMQTT 3.1.1. to IoT Cloud gateway
- \* uSMTP TLS secure SMTP client with binary file attachment for telemetry data transfer
- \* uMODBUS Toolkit TCP and RDU slave interfaces to platform sensors and actuators
- \* AUTHN AUTHZ solutions include uRADIUS client integrated with credentials server, and RFC7519 JWT
- \* uCrypt library integrated with HW engine, including AEAD ciphers, hash, RSA, ECC, X.509 support
- \* uLoadXL secure boot loader and installer & WSLAM Software Management Station

**Cypherbridge Systems**

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