

EKMS/KMI Adapters

DS101 / DS102 / RS232

WebSec's EKMS/KMI adapters are specifically designed for the EKMS/KMI community. They are currently being used with a number of ECUs and fill devices (e.g., SKL, TKL and RaSKL). The host can use the adapter as a primary or secondary device. All WebSec adapters come with a programmable wake-up.

INNOVATE & DEVELOP

WebSec has created a unique niche by providing leading defense contractors with customized security software and hardware solutions for embedded, handheld, web-based, tactical, and stand-alone computer systems. We continue to bring secure technology solutions to the next generation of software and hardware devices.

We have been extensively involved in the development of Tier 2, Tier 2 ½, and Tier 3 devices, including SKL, RaSKL, TKL, DMD-PS, CUAS, and other associated COMSEC equipment and platforms.

Our background in the COMSEC development arena gives us the ability to offer comprehensive tools and solutions to meet the demands of modern key distribution.

COMSEC SOLUTIONS FOR THE
GLOBAL WARFIGHTER



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UPhil

UPhil is an innovative USB to DS-101/DS-102/RS-232 adapter. UPhil is capable of performing all EKMS-308F protocol communications. It contains isolated circuitry, optical switching, and over-voltage protection. It has been tested and works with numerous ECUs, including high altitude and high-capacitance ECUs. UPhil can be controlled through a well defined API to set the protocol, speed, led, wake-up, CTS and an number or other parameters.



Easy DS-101

WebSec's Easy DS-101 is a USB to DS-101 adapter that works out of the box with Windows 10. No need to install special drivers or software. Windows 10 will automatically create a COM port for a user's existing or custom application. The user simply need to instruct his or her application to use the COM port, and the Easy DS-101 adapter will convert the RS-232 protocol to DS-101.



One-way DS-101

WebSec's One-way DS-101 allows for a higher classification device to send DS-101 data to a lower classification device without having to increase the lower classification device to the higher level. This is accomplished by allowing DS-101 traffic to travel from the Primary station (fill port) to the secondary station (USB); to preserve the one-way direction, responses from the secondary station are not allowed to be passed back to the primary station.



DS-101 Surface Mount

WebSec's Surface Mount DS-101 adapter converts the DS-101 over UART (RS-232) to DS-101 electrical. Adding DS-101 to an embedded processor or board is now easier than ever. This part can also be configured to allow one-way DS-101 traffic.

Security

Active zeroization on all data buffers during communications. Removal of power will passively zeroize the data buffers. In addition, UPhil will passively zeroize its firmware upon power removal.

