SKL
Simple Key Loader

Over 200,000 Devices Fielded
The (AN/PYQ-10) Simple Key Loader (SKL) replaces the DTD (AN/CYZ-10) and SDS (KIK-20). In addition to surpassing the performance of these legacy devices, it has more capability than modern devices, including the KIK-30 and KIK-11. The newest production version, called the SKL v3.1, offers improved Fill Port ruggedization, enhanced brightness/contrast LCD, and a new Touchscreen interface that supports both finger and stylus input.

The SKL v3.1 meets modern NSA IA security requirements, and has been upgraded with SWHW components that support modern key fill protocols. The key types used by advanced cryptographic equipment provide streamlined management of COMSEC key, Electronic Protection (EP) data, and Signal Operating Instructions (SOI). The SKL is designed to be forward-compatible with future equipment types and systems in support of NSA IA crypto modernization efforts; it also remains backward-compatible with existing End Cryptographic Units.

The SKL v3.1 software is being updated to a new Linux Operating System which incorporates a modern, simple and more intuitive Graphic User Interface (GUI) for improved user experience. This new software is projected to be released to production in mid 2018.

### Processor
800Mz digital media processor

### O/S
Linux Ubuntu version 14.04 LTS, Linux Kernal 4.4

### Memory
256MB

### Working
32GB

### Display
3.5" QVGA, 600 cd/m² brightness, 800:1 contrast ratio, 85/85/85/85 (degrees) viewing angle

### USB
1 USB mini-A host port and 1 USB mini-B device port

### User Input
Touchscreen (glove compatible), keypad, brightness control, power on/off button, recessed “zeroize” button

### Power
- Standard battery pack:
  - Waterproof, 25 Whr, Li-Ion battery pack
  - 50 Whr, Li-Ion battery pack

- Heavy duty battery:
  - Waterproof, 25 Whr, Li-Ion battery pack
  - 50 Whr, Li-Ion battery pack

### Accessories
- 8 AA quick-change, alkaline battery pack
- Smart battery pack
- Battery charger assembly
- Battery Eliminator
- Padded carrying case holds SKL spare battery packs and extra stylus

### Case
Composite housing/access port, TPR overmold

### LCD Protection
Glass on film on glass surface, 7H surface hardness, sealed and isolated from LCD for greater protection against high impact

### Seals
O-ring seals on case, lens, doors and battery for fast-access, O-ring sealed door

### Data Security
Removable crypto ignition key (CIK)

### Connector Protection
Removable elastomeric cap for dust, mud and moisture protection

### Environmental Specs:
- Operating temperature: -30°C to 60°C, MIL-STD-810G, methods 501.5 & 502.5, procedure II
- Low pressure altitude: -110 feet to +40,000 feet, MIL-STD-810G, method 500.5, procedure II – operation
- Solar radiation: MIL-STD-810G, method 505.5, procedures I and II – cycling and steady state
- Rain: MIL-STD-810G, method 506.5 rain, procedure I – rain and blowing rain
- Humidity: 95 % ±5 %, based on MIL-STD-810G, method 507.5, procedure II – aggravated cycle
- Salt fog: MIL-STD-810G, method 509.5, non-operational

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