

SNG[®]

AN/PYQ-10 SKL v3.1



Over 274,000 Devices Fielded

The (AN/PYQ-10) Simple Key Loader (SKL) latest production version is called the SKL v3.1 and offers improved Fill Port ruggedization, enhanced brightness/contrast LCD, and a new Touchscreen interface that supports both finger and stylus input.

The AN/PYQ-10 SKL v3.1 meets modern NSA IA security requirements and has been upgraded to support modern key fill protocols. The key types used by advanced cryptographic equipment provide streamlined management of Communications Security (COMSEC) key, Electronic Protection (EP) data and Signal Operating Instructions (SOI).

The unit 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 software for the AN/PYQ-10 SKL v3.1 is being upgraded to incorporate a modern, simple and more intuitive Graphic User Interface for improved experience and reduced user workload.

AN/PYQ-10 SKL v3.1

Simple Key Loader

Specifications

Processor:	800Mz digital media processor
O/S:	Windows Embedded CE 6.0
Memory:	256MB
Storage:	32GB
Display:	3.5" QVGA, 600 cd/m2 brightness, 800:1 contrast ratio, 85°/85°/85°/85° viewing angle
USB:	1 USB mini-A host port & 1 USB mini-B device port
User Interface:	Touchscreen (glove compatible), keypad, Brightness control, power on/off button, recessed "zeroize" button
Power:	Standard battery pack: Waterproof, 25 Whr, Li-Ion battery pack Heavy duty battery: 50 Whr, Li-Ion battery pack
Accessories:	8 AA quick-change, Alkaline battery pack, Battery charger assembly, Battery Eliminator, Padded carrying case holds SKL spare battery packs & extra stylus
Size/Weight:	7.7" x 4.3" x 2.5", 2.13 lbs. with standard battery
Case:	Composite housing/access port, TPR overmold
Seals:	O-ring seals on case, lens, doors & battery for fast-access, O-ring sealed door



Specifications

Battery/Continuous Operation:	Standard Li-Ion battery pack: ~8 hours Heavy Duty Li-Ion battery pack: ~14 hours
LCD Protection:	Glass on film on glass surface, 7H surface hardness, sealed & isolated from LCD for greater protection against high impact
Data Security:	Removable crypto ignition key (CIK)
Connector Protection:	Removable elastomeric cap for dust, mud & moisture protection
Storage Temperature:	-30°C to 71°C, MIL-STD-810G, methods 501.5 & 502.5, procedure I
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 & II – cycling & steady state
Rain:	MIL-STD-810G, method 506.5 rain, procedure I – rain & 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



Photos courtesy of Defense Video & Imagery Distribution System



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