ULTRA ENCRYPT

X-KRYPTOR CONFIDENTIAL SECURE REMOTE ACCESS

FEATURES

- CAPS CERTIFIED
- SECURES WIRED AND WIRELESS NETWORKS
- PROTECTS DATA IN TRANSIT
- SUPPORTS HOME AND MOBILE WORKING
- COMPATIBLE WITH DSL, WI-FI AND 3G/4G
- PREVENTS UNAUTHORISED ACCESS TO YOUR NETWORK
- SCALABLE FOR SMALL AND LARGE ORGANISATIONS
- CONTROLLED AND SMART OPTIONS

The Ultra Electronics AEP X-Kryptor Confidential (XKC) solution provides IP VPN capability to enable remote access over the internet, with a CAPS-certified version for accrediited UK government networks. The personal encryption device connects to a client PC via USB. The solution provides both the network encryption and device separation required when connecting devices to untrusted networks. The device is powered entirely by the client PC and will transfer data at up to 7 Mbps.

The XKC solution comes in two versions, XKC CONTROLLED and XKC SMART. Each version is designed to provide the maximum level of control and security to meet customer requirements.

XKC CONTROLLED

To prevent users from using the device in non-approved environments, the device is pre-populated with up to 5 Wi-Fi hotspot SSID and password paired combinations, chosen and configured by system admin staff.

When activated the XKC will automatically search for the approved SSID and register the device to the Wi-Fi network. The XKC cannot be used to connect to Wi-Fi hotspots not approved by system admin staff.

XKC SMART

The XKC SMART allows the user to configure a secure Wi-Fi connection in any location where a Wi-Fi hotspot is available. The XKC SMART is also compatible with captive portals where user authentication or pre-payment must be made before connection and this is achieved securely using any Wi-Fi enabled smartphone or tablet.

This feature is provided by an on-board interface to authenticate any publicly available Wi-Fi Internet access from outside the secure zone. XKC SMART removes the 5 paired SSID/Password restriction imposed with the CONTROLLED version.

PORTABLE SECURITY

The X-Kryptor Confidential CONTROLLED and SMART devices weigh just 260g. There is no external power supply requirement and the solution can be used in a range of applications where portability is essential. XKC requires user authentication and is protected against tampering, minimising the risk should it be lost or stolen. The CAPS version can be loaded with KPA Key Material to last for up to three years.

AEP

Ultra ELECTRONICS

The devices are supplied with drivers for Windows desktop operating systems. The RJ-45 can be connected to any standard 10/100 Mbps Ethernet LAN or xDSL router, whilst the USB connection supports a Wi-Fi adapter for access to 802.11 networks and tethering via a smartphone to 3G/4G mobile networks.

NETWORK ADDRESS TRANSLATION

The XKC solution fully supports requirements for multiple Network Address Translation environments. This includes solutions where the central gateway is behind an Internet facing firewall and where the XKC is accessing the Internet via an address translating, port sharing IP router.

RESILIENT ACCESS

The XKC solution supports up to two simultaneous connections to primary and secondary central gateways. Central gateways can be distributed across multiple geographic sites to provide resilience and disaster recovery.

PEER TO PEER

The XKC can be configured so that they will connect directly with each other. This means that two devices can share information and data without the need to access a central gateway or server. Applications such as secure voice and video conferencing will find this feature particularly useful.

APPROVED

A CAPS-certified version is available for use in UK government networks up to SECRET (subject to accreditation).

MANAGEMENT AND COMMISSIONING

The XKC solution has all the tools you need to commission and manage the device in large and changing environments.

PRODUCT SPECIFICATIONS

HOST OPERATING SYSTEM SUPPORT

Microsoft Windows 7 / Windows 8

INTERFACES

Plaintext: USB 2.0 (via splitter cable)

Power: USB 1.1 (via splitter cable)

Ciphertext: RJ45 (10/100 Mbps Ethernet), USB 1.1

CRYPTOGRAPHY

ESP mode: IPv4 tunnel

Encryption algorithm: AES-256

Unit authentication: X.509 certificates

SECURITY FEATURES

Tamper reactive

Manual purge facility

SECURITY CERTIFICATION

CAPS Enhanced Grade

DEVICE MANAGEMENT

Element Manager

Front Panel Viewer

PHYSICAL

110 x 75 x 40mm, weight 260g (excluding accessories)

POWER

Powered via host USB port

Consumption: <3 Watts typical (excluding Wi-Fi option)

ENVIRONMENTAL

Temperature: -5 to + 45°C (operating), -10 to + 70°C (storage)

Relative Humidity: 10 - 93% at 25°C (non-condensing)

REGULATORY APPROVAL

CE Marked

ORDERING INFORMATION

PRODUCT	ORDERING PART NUMBER
XKC CONTROLLED (CAPS)	XKCHMGUSB
XKC SMART (CAPS)	XKCHMGUSBSMART
XKC CONTROLLED (Standard)	XKCCOMUSB
XKC SMART (Standard)	XKCCOMUSBSMART

Ultra ELECTRONICS

making a difference

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ISOQAR 0026 ISO 27001