



UCrypt® IP to IP with Pro:Idiom® Encryption: + \$

Features:

- ▶ The UCrypt® IP to IP bulk Pro:Idiom® Encryptor offers MSOs new flexibility to deliver digital content in a protected format into commercial & hospitality locations and is ideal for applications where the consolidation of Pro:Idiom® encryption at the Headend or Hub level is desirable
- ▶ The UCrypt® IP to IP product allows the Cable Service Provider to select programs from their IP network, encrypt them with Pro:Idiom® & redistribute the encrypted version of the programs over the network
- ▶ Perfect for providing content directly to commercial or hospitality environments with deployed IPTV systems or for use within other system architectures requiring Pro:Idiom® encrypted content in IP format
- ▶ UCrypt® has an easy to use HTTP based Management Interface which allows an operator to monitor, manage & configure the product locally or remotely
- ▶ UCrypt® is built on a scalable architecture that allows the Cable Service Provider to grow their service offering as required

UCrypt® IP to IP Specifications

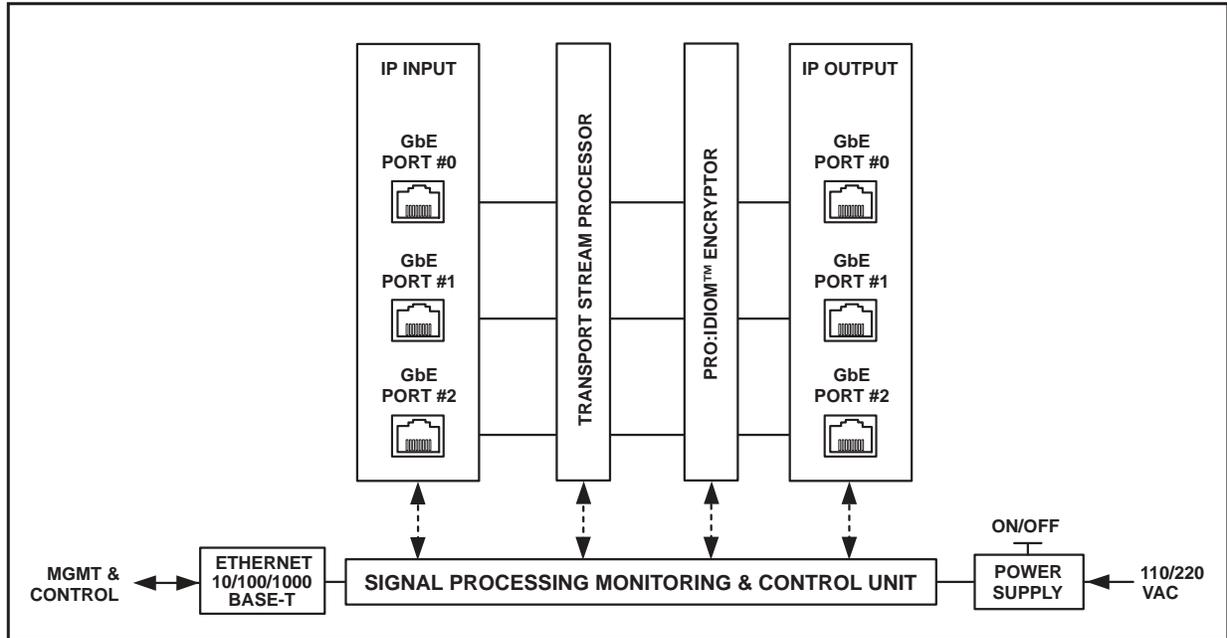
SPECIFICATIONS	
INPUT	
ETHERNET	IEEE 802.3-2002,1000BASE-T (GbE)
CONNECTORS	3 x RJ45; Chassis Rear
PHYSICAL PORT ADDRESS	Static IP Address or DHCP Client Mode per Port
TRANSPORT LAYER PROTOCOL	UDP
TRANSPORT STREAM SUPPORT	MPTS & SPTS
ADDRESSING	IPv4 Multicast & Unicast, Supporting all Valid IP Port Numbers
MULTICAST SUPPORT	Source Specific Multicast (SSM) and IGMP v1, 2 & 3
ENCAPSULATION	188 Bytes per TS Packet / 7 TS Packets per IP Packet
TS PROCESSING	
MULTIPLEXING CAPACITY	Flexible Creation of up to 24 SPTS and/or MPTS Multiplexes ⁽¹⁾ with PAT/PMT Generation per TS
ENCRYPTION	Pro:Idiom® Encrypted Multiplex or Unencrypted Multiplex
ENCRYPTION CAPACITY	Up to 24 SPTS and/or MPTS Multiplexes ⁽¹⁾ (38.8 Mbps max each)
OUTPUT	
ETHERNET	IEEE 802.3-2002,1000BASE-T (GbE)
CONNECTORS	3 x RJ45; Chassis Rear
PHYSICAL PORT ADDRESS	Static IP Address or DHCP Client Mode per Port
TRANSPORT LAYER PROTOCOL	UDP
TRANSPORT STREAM SUPPORT	MPTS & SPTS
ADDRESSING	IPv4 Multicast & Unicast, Supporting all Valid IP Port Numbers
MULTICAST SUPPORT	IGMP v1,2 & 3
ENCAPSULATION	188 Bytes per TS Packet / 7 TS Packets per IP Packet
DEVICE MANAGEMENT	
MANAGEMENT INTERFACE	Local or Remote Management Via Integrated Secure Web Server
MANAGEMENT INTERFACE PORT	10/100/1000BASE-T, Static IP or DHCP, RJ45, Chassis Rear
SECONDARY CRAFT PORT	10/100/1000BASE-T, Static IP, RJ45, Chassis Rear
MANAGEMENT SECURITY	3 Password Protected Tiered User Accounts
MASS DEPLOYMENT & BACKUP	Importable/Exportable Device Configuration Files
REMOTE MONITORING	Integrated SNMP Agent & MIB
ALARMS	Email Notification, SNMP Traps
EAS	
MODES	Support for ANSI/SCTE 18 Compliant & Non-Compliant Devices
PHYSICAL & ENVIRONMENTAL	
MECHANICAL	3RU, 19" Rack Mount: 5.25"H x 19.0"W x 22.8"D (13.34H x 48.26W x 57.91D cm)
POWERING	110/220 VAC; 1.7A @ 110 VAC; 375W PS; Rear IEC Connector (3-Conductor)
ELECTRICAL APPROVAL	Approved to UL 60950-1, 2nd Edition (File E325862)
POWER CONTROL	Rear Panel On/Off Switch w/ LED Indicator, Software Power Control
OPERATING TEMPERATURE	0°C to +50°C (+32°F to +122°F)
HUMIDITY	0-95% Non-condensing
NOTE: (1) Depends upon ordered hardware options.	

+ Pro:Idiom® and Ceton are the property of their respective owners in the United States and/or other countries.

Specifications subject to change without notice.

UCrypt® IP to IP with Pro:Idiom® Encryption:

Functional Schematic



Ordering Information

Part Number	Description
IP to PRO:I IP	
UC24IP2M	IP to IP; 24 Pro:I Encrypted MPTS Outputs
UC16IP2M	IP to IP; 16 Pro:I Encrypted MPTS Outputs
UC8IP2M	IP to IP; 8 Pro:I Encrypted MPTS Outputs
UC24IP2S	IP to IP; 24 Pro:I Encrypted SPTS Outputs
UC16IP2S	IP to IP; 16 Pro:I Encrypted SPTS Outputs
POST SALE SOFTWARE UPGRADES	
UCUG8MIP	Software Upgrade - Add 8 MPTS (for 'MPTS' versions)
UCUG8SIP	Software Upgrade - Add 8 SPTS (for 'SPTS' versions)
UCUGS2M16	Software Upgrade - Convert 16 SPTS to 16 MPTS
UCUGS2M24	Software Upgrade - Convert 24 SPTS to 16 MPTS



§ Any use of the UCrypt® product, directly or indirectly, for the decryption and unauthorized reproduction of content that constitutes or may constitute copyright infringement or otherwise infringes on the proprietary rights of any third party is expressly prohibited. No user of UCrypt shall use UCrypt for any purpose or in any manner which, directly or indirectly, violates the law, violates the proprietary rights of any other party, or aids in any unlawful act or undertaking including, without limitation, laws governing data privacy, international data transmission, and export of technology or data. Any multiple systems operator or other similar party ("MSO") will use the UCrypt product in strict compliance with all applicable laws and in compliance with any agreement in effect between the MSO and a content provider. In no event shall ATX Networks Corp. or any of its affiliates be liable to an MSO, any end user of the UCrypt product, or any other third party, for any claims arising out of or related to any use or misuse of the UCrypt product in contravention of this disclaimer. It is the express obligation of an MSO to convey this disclaimer to any other end user of the UCrypt product.



Specifications subject to change without notice.

