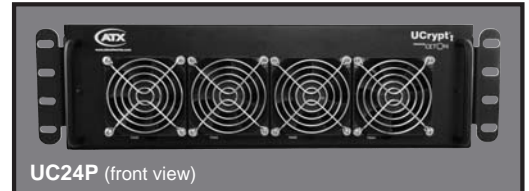




## UCrypt® Bulk QAM to QAM with Pro:Idiom® Encryption: + \$

### Features:

- ▶ The UCrypt® QAM to QAM product offering allows MSOs to decrypt select programs from their digital tier, re-encrypt them with Pro:Idiom® or leave them in-the-clear & re-transmit them via QAM 64 or 256
- ▶ Ideal for hospitality applications where Pro:Idiom® encryption is required or for bulk MDU accounts where "clear-QAM" content is desired rather than having to deploy set-tops in every dwelling
- ▶ UCrypt® has an easy to use management interface which allows users to select programs to be decrypted &/or passed through to the output of the device as well as assign them to output QAMs at any frequency
- ▶ Product configuration can easily be saved & uploaded to other products so that mass deployment can be done in a reliable & efficient manner
- ▶ The HTTP based management interface allows operators to monitor, manage & configure the product remotely
- ▶ UCrypt® is built on a scalable architecture that allows operators to grow their service offering on an as-required basis
- ▶ Powered by Ceton technology



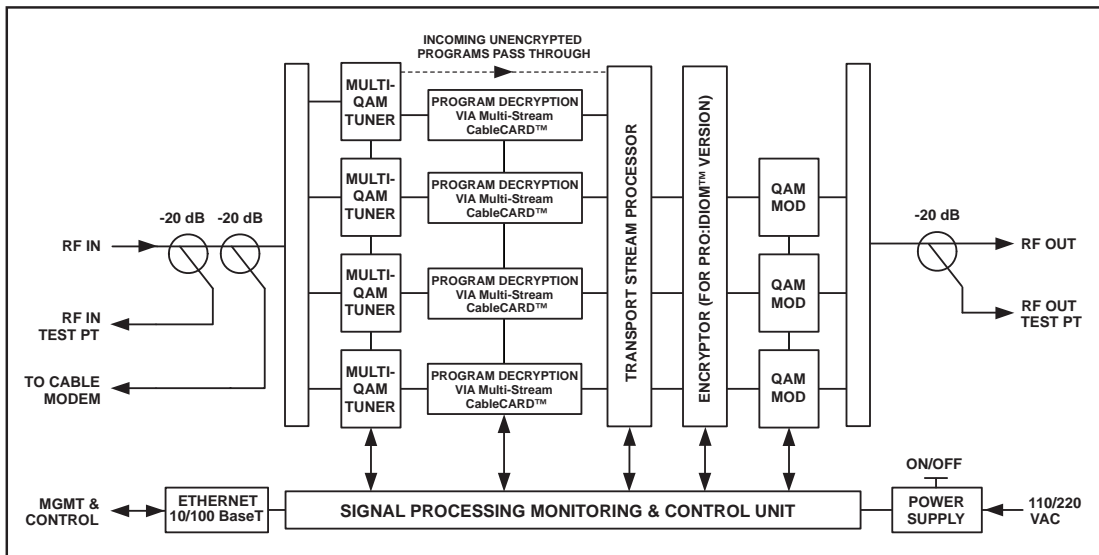
### UCrypt® Specifications

SPECIFICATIONS	
<b>INPUT</b>	
RF QAM	Up to 24 QAM 64/256 (device configuration dependent)
RF QPSK	Complies with ANSI/SCTE 55-1 & 2 2.048 Mbps & 1.544/3.088 Mbps, and SCTE 40
CONNECTOR	F Connector, Chassis Rear
FREQUENCY RANGE	54-864 MHz
ADJACENT QAM CHANNEL REQUIREMENT	None
RF INPUT	5 to 15 dBmV
RF INPUT TEST	-20 dB Relative to Input; F Connector, Chassis Rear
<b>TS PROCESSING</b>	
PASSED CONTENT	Decrypt up to 24 Programs Using up to 4 Multistream CableCARD™ Devices Remaining Encrypted/Unencrypted Content can Also be Transferred to the Device Output
ENCRYPTION	Pro:Idiom® or Unencrypted
<b>OUTPUT</b>	
RF	Up to 24 QAM 64/256 (device configuration dependent)
ADJACENT CHANNEL REQUIREMENT	Groups of 4 Adjacent QAMs
LEVEL	38 dBmV
MER	> 40 dB
CONNECTOR	F Connector, Chassis Rear
RF OUTPUT TEST	-20 dB Relative to Output; F Connector, Chassis Rear
<b>DEVICE MANAGEMENT</b>	
INTERFACE	10/100/1000 Mbps via RJ 45 Connector on Rear Local or Remote Management Capable
CONFIGURATION	Static IP or DHCP Client Mode F Connector Provided for Optional MSO Supplied Cable Modem Installation for Remote Management
ALARMS	E-mail Notification, SNMP, LED Indication
<b>EAS</b>	
MODES	Support for SCTE 18 Compliant & Non-compliant Devices
<b>PHYSICAL &amp; ENVIRONMENTAL</b>	
MECHANICAL	3RU, 19" Rack Mount (Width=46cm/18.1", Depth=58cm/22.8")
POWERING	110/220 VAC; 1.7A @ 110 VAC; 375W PSU; Rear IEC Connector (3-Conductor)
OPERATIONAL INDICATOR	Rear Panel LEDs
POWER CONTROL	Rear Panel On/Off Switch
OPERATING TEMPERATURE	0°C to +50°C (+32°F to +122°F)
HUMIDITY	0-95% (without condensation)

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

# UCrypt® Bulk QAM to QAM with Pro:Idiom® Encryption:

## Functional Schematic



## Ordering Information

Part Number	Description
<b>QAM to PRO:I QAM</b>	
UC24P	24 Program Bulk Decrypt, Pro:I Re-encrypt (24 QAM In to 24 QAM Out)
UC24/16P	24 Program Bulk Decrypt, Pro:I Re-encrypt (16 QAM In to 16 QAM Out)
UC24/8P	24 Program Bulk Decrypt, Pro:I Re-encrypt (8 QAM In to 8 QAM Out)
UC18P	18 Program Bulk Decrypt, Pro:I Re-encrypt (18 QAM In to 18 QAM Out)
UC18/16P	18 Program Bulk Decrypt, Pro:I Re-encrypt (16 QAM In to 16 QAM Out)
UC18/8P	18 Program Bulk Decrypt, Pro:I Re-encrypt (8 QAM In to 8 QAM Out)
UC12P	12 Program Bulk Decrypt, Pro:I Re-encrypt (12 QAM In to 12 QAM Out)
UC12/8P	12 Program Bulk Decrypt, Pro:I Re-encrypt (8 QAM In to 8 QAM Out)
UC6P	6 Program Bulk Decrypt, Pro:I Re-encrypt (6 QAM In to 6 QAM Out)
<b>QAM to CLEAR QAM</b>	
UC24	24 Program Bulk Decrypt, Clear QAM (24 QAM In to 24 QAM Out)
UC24/16	24 Program Bulk Decrypt, Clear QAM (16 QAM In to 16 QAM Out)
UC24/8	24 Program Bulk Decrypt, Clear QAM (8 QAM In to 8 QAM Out)
UC18	18 Program Bulk Decrypt, Clear QAM (18 QAM In to 18 QAM Out)
UC18/16	18 Program Bulk Decrypt, Clear QAM (16 QAM In to 16 QAM Out)
UC18/8	18 Program Bulk Decrypt, Clear QAM (8 QAM In to 8 QAM Out)
UC12	12 Program Bulk Decrypt, Clear QAM (12 QAM In to 12 QAM Out)
UC12/8	12 Program Bulk Decrypt, Clear QAM (8 QAM In to 8 QAM Out)
UC6	6 Program Bulk Decrypt, Clear QAM (6 QAM In to 6 QAM Out)
UCCM*	CableCARD™ Module with 6 QAM Tuners and Single OOB Tuner
UCQAM*	8 Channel QAM Modulator
<b>NOTE:</b>	
* F = unit returned to factory for upgrade; L = unit upgraded on site (requires purchase of UCUPGV - on site visit charge)	

§ 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.

