

# Certicom AMI 7100

## Certicom Signing and Encryption Appliance

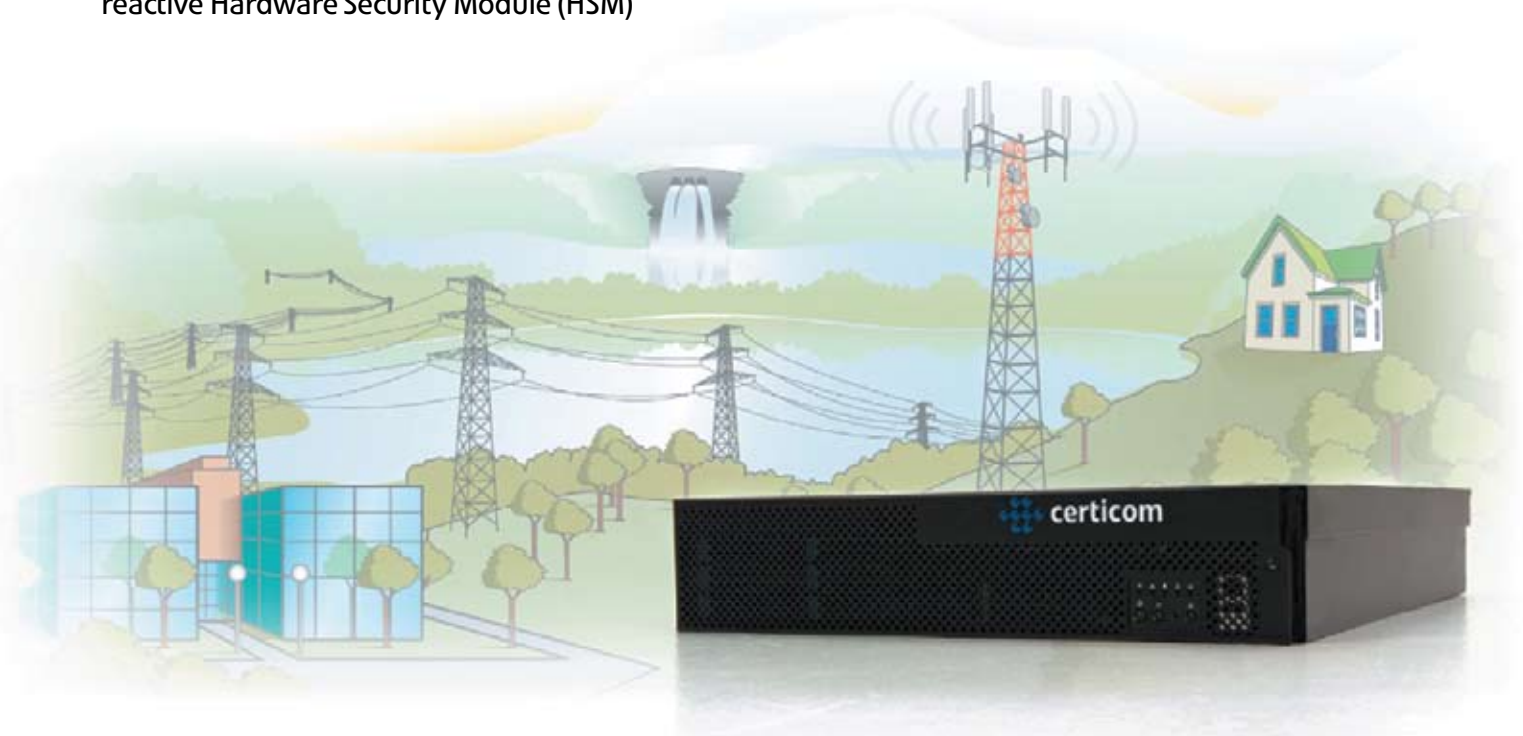
The Certicom **AMI 7100** is a complete signing and encryption appliance solution that includes hardware, software and product support in an high security package that will enable you rapidly deploy an industry recognized, security standards based solution for advanced utility metering.

### BENEFITS

- Production proven signing and encryption appliance to secure advanced meters in large deployments
- 24x7 Operations grade support contracts to protect system availability
- “Drop in” security solution to protect meter network control and backchannel data
- Mitigate personnel risks with multi-administrative smart card control of appliance
- Prevents eavesdropping and malicious infiltration of metering network
- Prevents false commands and replay attacks
- Ensures meter network availability with hot and warm standby redundancy optional appliance configurations
- Adheres to NSA Suite B cryptographic requirements

### FEATURES

- Authentic command and control messages with ECDSA based Digital Signatures
- Protect private signing keys using a tamper-reactive Hardware Security Module (HSM)



# System Specifications

## Cryptographic Key Strength

- 128-bit or 256-bit effective cryptographic strength utilizing US government grade algorithms
- ECC (asymmetric), AES (symmetric)

## Processor

- Intel 45nm Enhanced Quad Core Xeon CPU 5400

## Network Interfaces

- 2 x 10/100/1000Mb On-Board Interfaces

## Raid Storage

- 3 x 146Gb SAS 2.5" Hot Swap HDDs
- Hardware RAID 5

## System Administration

- Secure Shell (SSH) Console Administration Two-Factor Authentication with Operator Smart Cards

## Hardware Security

- FIPS 140 Level 3 rated Hardware Security Module

## Enclosure

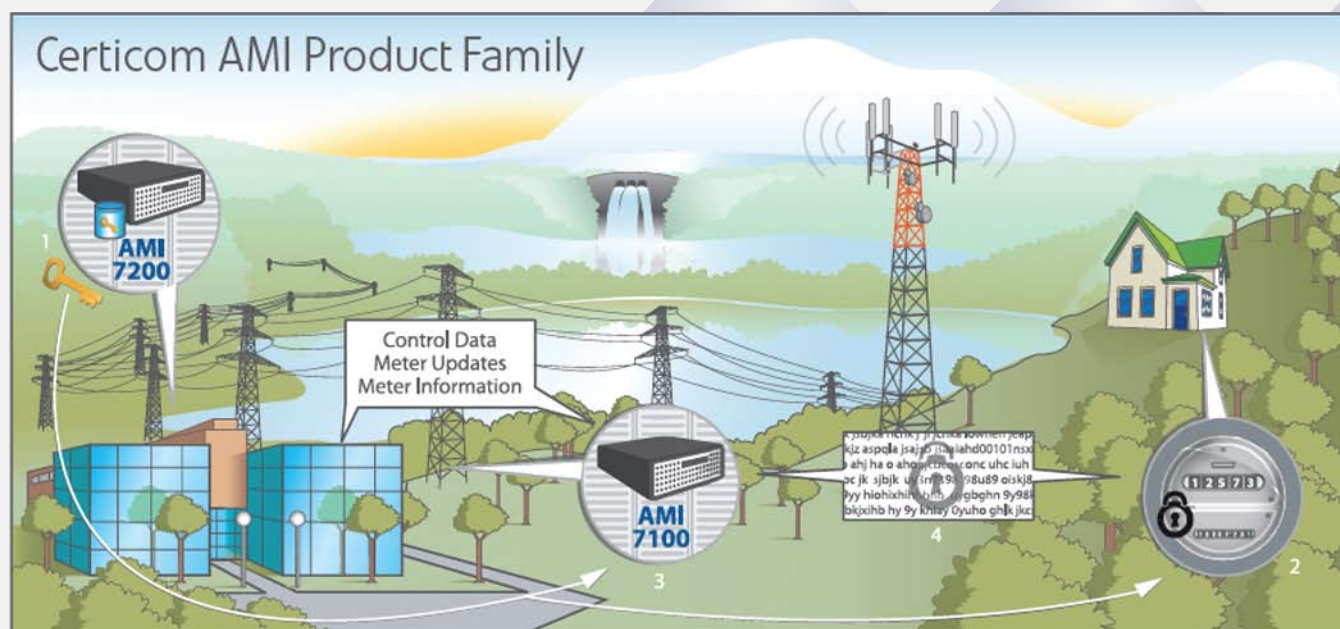
- Form Factor: 2U rack mountable(20" depth)

## Power Supplies:

- 600W AC Auto ranging (Optional DC)
- Optional 2nd Dual Hot Swap Power Supply

## Operating Environment:

- Temperature – Operating 10°C to 35°C (50°F to 95°F)
- Temperature – Non-Operating -40°C to 70°C (-40°F to 158°F)
- Humidity – Non-Operating 50% to 90%, non-condensing with a maximum wet bulb of 28°C



## 24x7 Operations Support and Maintenance Agreements

Certicom recognizes the critical nature of manufacturing operations and offers the expected service level agreements (SLA) that are **essential for supporting global, high volume device production**. Expert, in-house support staff operates our critical severity response hot line and work closely with escalation engineers in North America and the Asia Pacific region. Certicom is proactive in keeping customers on an **upgrade path that is consistent with future releases** and ongoing product roadmap.

## About Certicom

Certicom manages and protects the value of your content, applications and devices with security offerings based on Elliptic Curve Cryptography (ECC). Some of world's leading chip manufacturers rely on Certicom Asset Management System to reduce costs, deliver strong brand protection and provide new revenue enhancement capabilities.

