KAMAI 7E

HIGH PERFORMANCE 4K UHD ENTERPRISE DEVICE, OPTIMISED TO DELIVER HIGH QUALITY CONTENT TO DIGITAL SIGNAGE AND HOSPITALITY APPLICATIONS.

The Kamai 7E is designed for “out of sight” operation to deliver content across a diverse range of environments – from in-room hospitality through public space signage and advertising applications where demand for 4K-based services is growing rapidly.

Sector-specific features include a Power over Ethernet (PoE) capability for single-cable installation that reduces installation time and cost. A serial display port, IR extender port and VESA mounting all support out-of-sight operation, easy installation, and promote a simplified user experience.

In a rugged case, the device combines a high-performance ARM v7 processor with graphics acceleration for fast rendering of high quality graphics. HEVC capability enables the delivery of high quality images in areas where bandwidth or physical head-end storage needs to be optimised.

Features

- High performance 12k DMIPS ARM v7 processor with GPU for fast rendering of high quality graphics
- HEVC/4Kp60 provides high quality images at reduced bandwidth
- Internal 2x2 Wi-Fi option for networking/trickle-feed of content to external or internal Flash memory for remote playback
- Out-of-sight operation using flexible RCU receiver options - internal BLE or RF4CE receiver, IR extender port as standard
- Tamper-proof, ruggedized chassis
- Integrated mounting brackets (VESA) to fit behind a screen for digital signage apps or underneath a desk for hospitality apps
- Optional power-over-Ethernet for single cable install

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## SPECIFICATIONS

### PROCESSOR
12K DMIPS

### SUPPORTED VIDEO FORMATS
MPEG-2, H.264 AVC, H.265 HEVC, VP9

### MEMORY OPTIONS
- 1GB RAM OR 2GB RAM
- 256MB FLASH OR 8GB EMMC
  (DEFAULT CONFIGURATION 1GB RAM AND 8GB EMMC)

### NETWORKING & CONNECTIVITY OPTIONS
- POWER-OVER-ETHERNET (POE)

### VIDEO/AUDIO OUTPUTS
- HDMI 2.0
- RS232/TVI DISPLAY PORT WITH IR PASS-THROUGH

### INTERFACES
- POWER, GIG ETHERNET, 1X USB3.0, 1X USB2.0*, IR EXTENDER PORT, RESET BUTTON, STANDBY LED

### CHIPSET & MEMORY
- DMIPS: H140 800, H150 2000, Kamai 7E 12,000
- Memory (RAM): H140 256MB, H150 1GB, Kamai 7E 1GB/2GB
- Memory (Flash): H140 128MB, H150 256MB, Kamai 7E 256MB/8GB eMMC

### MECHANICS
- HDMI: 1.3a, 1.4a, 2.0
- USB: 2 x USB2.0, 2 x USB2.0, 1xUSB 2.0*, 1x USB3.0
- Ethernet: 10/100, 10/100, 10/100/1000
- Wi-Fi (internal): No, No, 2x2ac Option
- RF4CE (internal): No, No, Option
- LE (internal): No, No, Option
- IR: Yes, Yes, Yes
- 3.5mm Jack (Composite AV): No, Yes, No
- Mini-Din (Component/Composite AV): 10 pin, No, No
- S/PDIF: Yes, No, No
- POE (internal): No, Option, Option
- RS232/TVI with IR pass-thru: Yes, Yes, Yes
- Ruggedised case/VESA mount: Yes, Yes, Yes

### VIDEO/GRAPHICS SUPPORT
- HEVC: No, No, Yes
- 4k UHD: No, No, Yes
- Max. Single decode: 1080i60, 1080i60, 4kp60
- Max. Dual decode: No, 1080i60
- OpenGL ES 2.0: No, SDK only, Yes

### ECOSYSTEM
- Browser: Opera 11, Opera 12, Opera Chromium or Webkit
- Verimatrix VIEWRIGHT: Yes, Yes, Yes
- Verimatrix ULTRA: No, No, ROADMAP
- SecureMedia: Yes, Yes, ROADMAP

### DEFAULT SALES CONFIGURATION FOR PRODUCT OPTIONS:
- 1GB RAM, 8GB eMMC, RF4CE, PoE, 1x USB3.0, 1xUSB2.0

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**BIE** requires a custom hardware build with support for 1x external USB 3.0 port only, there is no support for the additional USB 2.0 port in this configuration.

*PoE: due to the power requirements for operation of all the hardware features, Amino recommends using a type 2 switch. A limited feature use-case can be supported for use with type 1 switches - details available on request.

**Not available with BIE build option.**

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