

Beat: Technology

INTEL ATOM PROCESSOR E3900 SERIES by Jonathan LUSE

GM Roadmap Planning & Product Line Mgt

PARIS - WASHINGTON DC, 13.11.2016, 08:51 Time

USPA NEWS - On October 18, 2016 at Arc de Triomphe Hôtel (PARIS), was held a Press Conference by Jonathan LUSE, General Manager of Roadmap Planning & Product Line Management for Intel' Internet of Things Group (IOTG)....

On October 18, 2016 at Arc de Triomphe Hôtel (PARIS), was held a Press Conference by Jonathan LUSE, General Manager of Roadmap Planning & Product Line Management for Intel' Internet of Things Group (IOTG). Were given a summary of the Company's policy, products, interests, intentions... The Internet of things opportunity = pervasive, real-time intelligence. Intel's end to end IOT approach = things to cloud.

Intel's main approach is to create vertical solutions, to build on horizontal platform and products and to build strong ecosystem.

- Customer challenges :

- * Technical POV (interoperability, data analytics)
- * Business POV (solution scalability, business value)
- * Technical POV + Business POV (Latency, OT/IT integration, security + trust)

- Vertical Needs :

AUTOMOTIVE

- * Scalable platform
- * Enhanced performance
- * Platform consolidation enabled by GFX performance, virtualization & multiple displays
- * Image and Sensor processing for advanced driver assistance systems

INDUSTRIAL

- * Scalable platform
- * Enhanced performance
- * Real time processing
- * Remote management
- * Enhanced security

VIDEO

- * Scalable platform
- * Enhanced performance
- * Video & data analytics
- * High video quality
- * Real time video processing
- * Extensive encode capabilities

- Announcement of the New Intel Atom Processor E3900

Built from the ground up to support the rapid development and the growing complexity of IoT infrastructures

- * Powering applications in automotive, industrial, digital security and surveillance, manufacturing, retail, and more
- * Achieve new levels of performance, graphics & media processing, image processing, and determinism in a compact form factor
- * Delivers ability to handle more sensors and tasks across extended temperatures
- * Keep systems of devices in sync across a wide array of applications

- Intel Atom Processor E3900 Series Value Vectors

- * High CPU Performance (Enormous Compute Capabilities “ç Compute scalability)
- * Fast GFX & Media Processing (Smooth / Rich images on up to 3 independent displays “ç No need for external GFX with up to 18 GPUs “ç Superior video encoding & decoding)
- * Image Processing (Programmable IP unit “ç Outstanding Image quality “ç vHDR & ULL Technologies)
- * Intel TCC Technology (Synchronized, Real-time computing enables 1uS timing accuracy across the network)

==>) Improved I/O Capability - Enhanced OS Offering - Reliable Computing - Enhanced Security Executions

- Intel Atom Processor E3900 Series brings you a vibrant visual (GFX & Media) experience - No extra Card required

- * Fast graphics media performance
- * Three simultaneous graphics pipes
- * Support for Ultra HD Display-4k @ 60 Hz
- * Low-power Gen 9 graphics with up to 18 EUs*
- * Latest APIs including DX* 12 & OpenGL* 4.2
- * 3 independent displays

- Image Processing with Intel Atom Processor E3900 Series

- * Excellent high quality and low power video
- * Amazing color processing technology
- * State of the art multi-frame technology
- * Competitive Chroma & Luma noise removal
- * Highly flexible solution

- Intel Time coordinated computing technology

- * Enables 1mS timing accuracy across the network (Internal Time Synchronization + Precision Time Measurement + Time Sensitive Networking)

- Vertical Focus

AUTOMOTIVE

- * In-vehicle experiences
- * Software Defined Cockpit
- * Infotainment
- * Digital Instrument Clusters
- * Intel Atom Processor A3900 series

INDUSTRIAL

- * Industrial PCs

- * Programmable Logic Controllers
- * Industrial Cameras
- * Intel Atom Processor E3900 series

VIDEO

- * IP Cameras
- * Digital Security & Surveillance
- * Network Video Recorders (NVR)
- * Intel Atom Processor E3900 series

Source : INTEL

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Article online:

<https://www.uspa24.com/bericht-9972/-intel-atom-processor-e3900-series-by-jonathan-luse.html>

Editorial office and responsibility:

V.i.S.d.P. & Sect. 6 MDS_tV (German Interstate Media Services Agreement): Ruby BIRD & Yasmina BEDDOU (Journalists/Directors)

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