

Beat: Technology

## INTEL ATOM PROCESSOR E3900 SERIES by Jonathan LUSE

### GM Roadmap Planning & Product Line Mgt

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**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 “¢ Compute scalability)
- \* Fast GFX & Media Processing (Smooth / Rich images on up to 3 independent displays “¢ No need for external GFX with up to 18 GPUs “¢ Superior video encoding & decoding)
- \* Image Processing (Programmable IP unit “¢ Outstanding Image quality “¢ 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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