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 itelligence. 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 (interperability, 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 brigs 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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