



Look Inside.™

Delivering Tomorrow's Smart Home Today



The Gateway at the Center of the Digital Home

Today service providers know that they have a unique opportunity to deliver value to their customers. More than just delivering a triple play of TV, Internet, and voice, providers now can deliver other services for the home. From home automation and security to energy management and entertainment, Intel® Puma™ 6 Smart Home Gateways deliver the quality of service that you need to provide a reliable, cost-effective digital home gateway.

Deploy new services on the fly

Built-in hardware virtualization with Intel® Virtualization Technology (Intel® VT) and local storage makes it easy for service providers to add new revenue streams through additional IoT services such as home automation, home security, or energy management solutions. And because these services are added through a virtual machine, they can be dropped in on the fly, isolated from each other, and if a problem occurs, you only need to restart that VM and not the entire gateway. Best of all, you don't need to validate against your entire stack or recertify your device. Finally, third-partys can also easily deliver their service without having to design and service their own gateways. The net result is a time-to-market savings for both service providers and third-party solution vendors.

Third-party services in action: smart meters

One of the additional services that Intel envisions service providers offering is smart metering services. As energy prices continue to rise, consumers are looking for ways to save money and reduce their carbon footprint in the home. Smart metering provides data both to the homeowner and utility companies. The homeowner can see what/where to optimize and the utility company can use the data to help manage the grid – which is becoming an increasingly complex problem.

Smart Metering software sits on a VM using the processing power and built-in wireless of the Intel® Smart Home Media Gateway to communicate with and control all the devices in your home while offloading the home automation management to the cloud.

With an Intel® Puma™ 6 SoC featuring an Intel® Atom™ processor to manage traditional gateway traffic such as Internet, voice, and video, an Intel Puma 6 Smart Home Gateway makes it easy to provide a single device to let subscribers take advantage of the Internet of Things by simplifying deployment, service, and repair. And since home gateways now often include wireless functionality to communicate with tablets and PCs, they will also soon be able to talk to refrigerators, cameras, and washing machines; these devices are truly becoming the connectivity hub of the home.

FEATURE	BENEFIT
Intel® Atom™ Processor	Processing power with low power usage for energy efficiency
DOCSIS 3.0, DSL, DVB-C,S,T, LTE, IPTV	A wide range of segments to meet service provider's unique needs
Intel® Virtualization Technology	Accelerates key functions of the virtualized platform
802.11 a/b/c/g/n and IoT Radio Frequency	Full range of wireless protocols supported on the platform to meet service provider's needs and eliminate consumer needs for multiple gateways
Linux*	Customizable distribution based on the 3.x Linux Kernel provides a stable, open source supported development environment.

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