

R&D Subcommittee

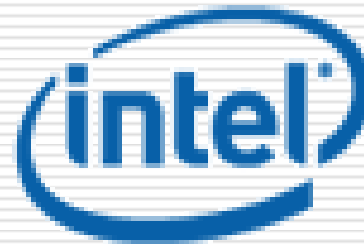
Sept/Oct 2010

Microsoft®
Security Essentials

MS Security Essentials available FREE to Small Businesses in October

http://www.microsoft.com/security_essentials

Intel to acquire McAfee for US\$7.68B



Microsoft®

Exchange 2010 Service Pack 1 released 8/25



Skype Plans \$100 Million IPO. It now has 560M registered users with 52M to 124M actively using the service...

...and Google launched "Call Phones in Gmail"





VOLVO



Volvo shows off technology that helps avoid hitting pedestrians

The technology uses a camera- and radar-system mounted in the front bumper that has 10,000 images of humans stored in its memory. It stops if < 22mph.

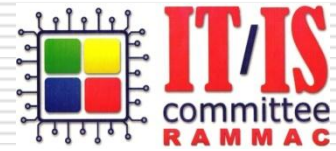
The camera has a 180-degree view so it can detect pedestrians before most drivers would be able to see them



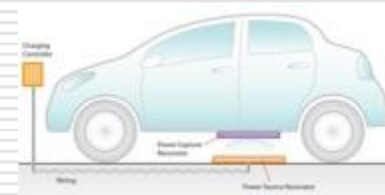
Ford Makes it Easier to Avoid Texting While Driving With New SYNC (all-in-one navigation, communication, and entertainment center).

Features: Do Not Disturb" button, text-to-voice function that reads your text messages to you.

Automotive IT News



WiTricity is working with Delphi Automotive to develop automatic charging products for hybrid and electric vehicles.



Ford is developing crash avoidance systems using GPS technologies to help vehicles communicate with each other in traffic and avoid accidents. Ford's Automatic Braking Intersection Collision Avoidance System (ABICAS) is designed to warn drivers of imminent side-impact collisions and automatically activate the brakes if necessary.

Automotive IT News



Zero-fatality car. Volvo has a Vision 2020 program where by 2020 no one should be killed or seriously injured inside a car



Cars hacked by researchers through wireless tire pressure monitors



HDbas@T™



HDBaseT technology is optimized for whole-home distribution and can connect all the entertainment devices in the home through its 5Play™ feature set, converging uncompressed full HD digital video, audio, 100BaseT Ethernet, power over cable and various control signals all through a single 100m/328ft CAT5e/6 cable.

Utilizes a standard RJ-45 connector

New products: Seagate's hybrid HD

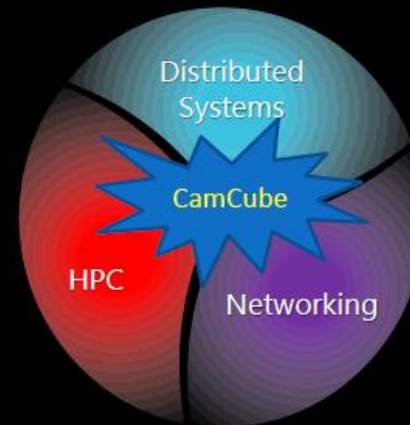


Seagate's Momentus XT: hybrid drive: flash memory & mech HD. 2.5", 7200rpm, \$90 (320GB), \$120 (500GB)..

Microsoft Research is exploring a new way to connect servers directly to other servers, without the use of any switches or dedicated networking inside a datacenter container

The CamCube Goal

- *Design a data center from the perspective of a distributed systems builder*



New Products: USB 3.0 flash drive



✓ **Kingston's first USB 3.0 flash drive (16GB, 32GB or 64GB)**



Top-5 Global PC OEM Ranking in the Second Quarter of 2010

(Ranking by Unit Shipments in Thousands)

Q2 2010 Rank	OEM	Q2 2010	Q2 2010 Share	Q1 2010	Q1 2010 Share	Sequential Growth	Q2 2009	Year Over Year Growth
1	Hewlett-Packard	14,955	18.1%	15,965	19.6%	-6.3%	13,420	11.4%
2	Dell	10,541	12.8%	10,668	13.1%	-1.2%	9,035	16.7%
3	Acer	10,191	12.4%	10,870	13.3%	-6.2%	8,206	24.2%
4	Lenovo	8,327	10.1%	7,020	8.6%	18.6%	5,645	47.5%
5	Toshiba	4,456	5.4%	4,575	5.6%	-2.6%	3,312	34.5%
	Others	34,020	41.2%	32,499	39.8%	4.7%	27,562	23.4%
	Total	82,490	100.0%	81,596	100.0%	1.1%	67,180	22.8%

Information Systems Auditor – CIA, CISA

Computer Forensics – CHFI, CISSP, GCFA, EnCE, CCE

Database Administrator – mostly SQL, Oracle, MySQL, noSQL

Software Engineers (Developers) - C, C++, C#, JAVA, .(dot)Net, PHP, Visual Basic, Perl, Python, Ruby and Delphi

IT Security Manager – CISM, CISSP

Virtualization Engineers - mostly VMWare and HyperV

Voice Specialists – UC, VoIP

Cloud Computing Security Knowledge - CCSK

Malware



Viruses are still the most seen type of malware at 45%.
Spyware accounts for 23%

Symantec Finds 92% Of All E-Mail Is Spam

25% Of Malware Spread Via USB Drives