

4 September 2007

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Dell Precision M6300
Dell

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The Precision M6300

When it comes to mobile computing systems few companies are able to claim families of products so successful as Dell which just announced the 10th anniversary of the Precision lineup and the company decided to launch a special edition laptop just for this occasion. The Precision M6300 notebook is here now to replace the older Precision M90 model and it is aimed at the business market. From the outside the new Dell laptop, the Precision M6300, features a "Road Ready" chassis design based on a magnesium alloy casing which allowed the manufacturing company to reduce the total weight of the laptop. On the hardware department, the Precision M6300 is based on Intel's mobile computing platform, the Santa Rosa. As a central processing unit the M6300 comes equipped with an Intel Core 2 Duo X7900 CPU which has a standard running frequency of 2.8GHz as well as a frontside bus speed of 800MHz. Just like most other notebooks based on the Intel Santa Rosa platform, the new Dell comes with a maximum of 4GB DDR2 of random access memory which is fully supported thanks to the 36-bit addressing system, even for 32-bit operating systems. The M6300 comes with a discrete graphics card based on the Nvidia Quadro FX 1600M graphics processing units which has 256MB of dedicated video memory and can additionally share 256MB because of the implemented TurboCache technology. The Precision M6300 notebook comes with two native widescreen resolutions, the WXGA+ (1440x900) and the WUXGA (1920x1200), as well as an anti-glare special coating and the TrueLife technology. While now LED backlighting is not yet available, Dell representatives are certain that this option will appear later. Storage options are rich for the Dell Precision M6300 as the laptop comes with a wide selection of hard disk drives up to 200GB and 7200rpm as well as an encrypted HDD with 120GB of storage space. As an option, a SanDisk made solid state drive of 32GB is also available as are a wide range of optical drives including DVD and Blu-ray burners. Wireless networking is of course present in the form of an 802.11a/g/n compatible chip made by either Dell or Intel; also present are six high speed USB ports as well as FireWire, Bluetooth and a multi format card reader. As the precision M6300 is intended as a business laptop, Dell also included a number of security features like an optional UPEK fingerprint reader. "Customers buy workstations because they need maximum performance to get a job done," said Dell Product Group VP Vivek Mohindra. "The M6300 is ideal for customers who want to run demanding professional applications no matter where they are."