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The Daily Star
DHAKA, MONDAY, JANUARY 27, 2014
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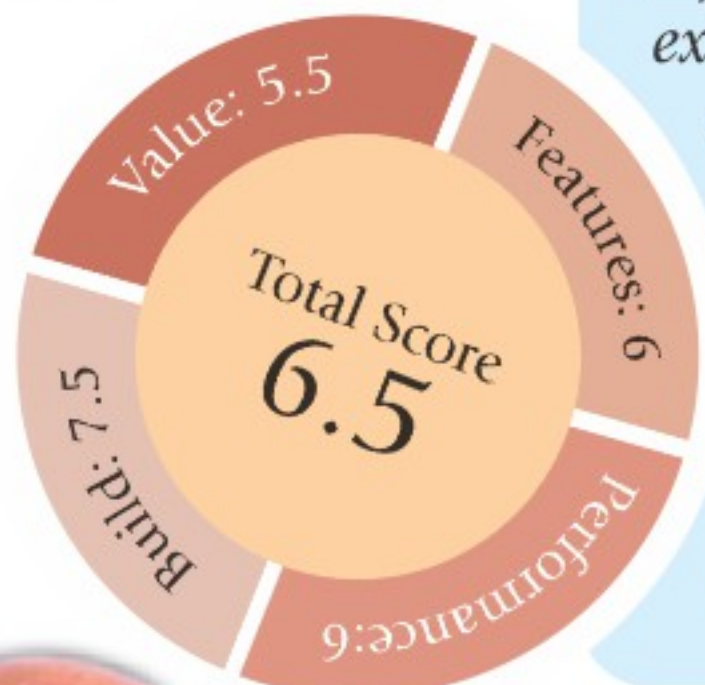
HANDS ON REVIEW

Nokia Lumia 720: A pricey mid-ranger



Nokia Lumia 720 is the second windows phone we are reviewing for Bytes. Though it was launched nearly 9 months ago, still in Bangladesh the set is fairly new. It came in the market as a high-end phone but now it's considered a mid-range product. Some features of this phone are mesmerizing yet some are infuriating. So without further ado, let's jump in to the review:

Let's first throw away the thought of the price and specs for a while and look at the brilliant design of the handset. It comes with a solid build quality and polycarbonate unibody design. There are several buttons on one side i.e. volume rocker,



THE VERDICT

Nokia Lumia 720 is a very good performing smartphone, no doubt on that. Albeit there are tons of android alternative in the market, still if you're really in to Windows OS then this certainly is worth considering. It's got some brawny set of features, a mediocre design and generous screen giving you a simple yet innate experience when using. Windows Phone 8 especially with the more recent updates runs smooth making your experience a sheer joy. Both the cameras allow you to take solid snaps – although lighting could be a consideration especially in night times. You could try downloading some extra lenses to improve the quality of the snaps. Now comes the list of disappointments. The back cover might feel a bit cheap to some of you. The 512 MB RAM makes you stumble more than once when trying to open some necessary apps. The Dual core processor also finds hard to run some HD games. If really want to buy this phone then be ready to bear this mindset "games are for looser, and I don't see the point of using these demanding apps".

power-2 -sleep button and camera shutter, whereas 3.5mm headphone jack is on top as others. The thickness is 9mm; a perfect size that's easy to slip into even in your tightest pockets yet gives you a feel that you are carrying something bold and precious.

Coming to display, we have one simple word to describe it: Awesome! The fabulous 4.3-inch IPS touchscreen is protected with Scratch-resistant Corning Gorilla Glass. The pixel counts are: 800x480 which is slightly below the HD range and delivers 217 pixels per inch. The Lumia 720's resolution might be a bit disappointing but still the display is sharp, clear. The responsiveness is high too.

So is the sensitivity of the display. You can even use the display wearing gloves, a feature found in high end smartphones like Samsung Galaxy S4.

Next comes, the performance of the handset. The phone is powered by a dual-core 1GHz processor and backed by 512MB RAM making it an obvious mid-ranger in this market. Some might find it underpowered compared to Android handsets in the market, but that's just half the story. Windows', very similar to Apple, has streamlined architecture meaning the underdog can perform like the alpha-dog! Most Apps run smoothly without slowing down a bit. Although web pages and HD games

can be played with some sluggish delay which is at some point acceptable. It delivered an AnTuTu performance benchmark rating of 7,628, which puts it behind Samsung III but ahead of others like the Sony Xperia T.

The apps eco-system of Windows Marketplace is far to less rich to go on any comparison with Google Play or Apple's App Store, but the essentials like Facebook, Twitter, What's app and others can be found very easily. It has 140,000 apps now (compared to millions in android) and it's growing steadily -- it may be the last platform on developers' list of choice, but at least the apps are being created, eventually.

The camera in this handset is great. Picture quality is very good, great in daylight for taking snaps, with sharp edges and accurate colors. Not too great for nightlight though. The video camera can deliver a decent performance, recording 720p video @ 30fps. The front facing 1.3 MP camera performs well enough to attend any Selfie contests out there.

The battery in this thing is a non-removable 2,000mAh one. Generally in an android, 2000mAh can hold up to a day's juice max. But Microsoft's OS optimizes the battery consumption in the device making it last an entire good day-and-a-half, which actually is great. 720 also has Wi-Fi, GPS, NFC, Bluetooth 3.0 and integrated cloud storage through Skydrive service of Microsoft. Probably the only thing missing is 4G, which really doesn't mean anything to us in Bangladesh. It has 8GB memory on board, which is OK for starter. You also get access to 7GB of space in skydrive with this handset for free.

SHAHIAR RAHMAN



SPECS

Display: 480 x 800 pixels, 4.3 inches (~ 217 ppi pixel densities) IPS LCD with gorilla glass 2
Platform: Microsoft

Windows Phone 8, upgradeable to WP8 Black
Processor: Dual-core 1 GHz
ROM: 8 GB,
RAM: 512 MB RAM
Connectivity: Wi-Fi, Bluetooth, EDGE, NFC etc

Camera: Primary: 6.1 MP, Carl Zeiss optics, autofocus,
Secondary: 1.3 MP, 720p@30fps
Battery: Non-removable Li-Ion 2000 mAh battery
Price: Tk. 24,999/-

JUST IN

Samsung Wi-Fi Printer

Computer Source Limited has brought a mono laser Printer in the local market having wireless printing facility by Cell Phone and TAB. This Samsung ML 2165W also offers free apps to let you print from an Android, iOS, or Windows device by way of a Wi-Fi access point. Getting this facility, users have to download Samsung Mobile Printer Apps from Google Play store or iTunes. The ML-2165W's most striking feature by far is its small size. It may be the smallest laser printer that has ever showed up at PC Labs, at just 7.0 by 13.0 by 8.5-inches (HWD). It offers Wi-Fi connectivity, suitable paper capacity for a personal printer, reasonably high-quality text and graphics that runs smoothly in 1200 dpi. Its' printing capacity per minute is 21 Pages and Monthly duty cycle is 10 thousand pages.

Price: Printer Tk. 9,000/- and its tonner Tk. 3,800/-



APACER POWER BANK

CSL has brought two POWER BANKS to recharge Smart phone along with Tablet, i-Phone and i-pod on the way in emergency period. Among these, APACER B120 and B110 are equipped with a premium lithium battery with a high 6600mAh and 4400mAh capacity respectively. B120 is able to offer electricity for three full charges for the Smart phone and B110 allows two charges. Both Power Banks have built in dual Micro USB outputs for charging two mobile devices at the same time. It also contains 4 LED indicators showing the status of remaining electricity and Multi Safety protections for short circuit, over-charging, over-current, over-voltage, furnishing complete protection for costly 3G products. In an extra facility, it has a LED Torch.

Price: APACER B120 Tk. 1,700/- and APACER B110 Tk. 1,300/-



Lenovo G510, budget yet handy Laptop

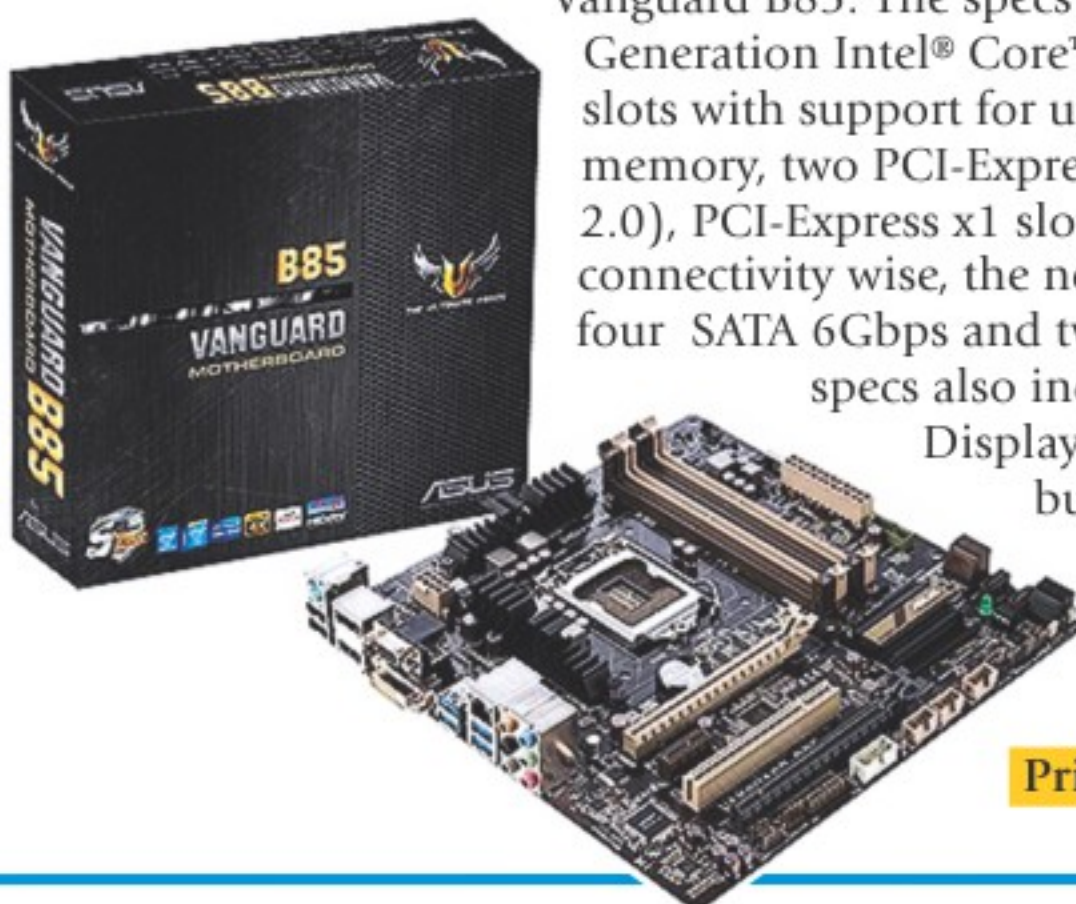
The 15.6" Lenovo G510 PC combines top-notch and the latest processing power with a price that won't break your budget. This versatile entry-level PC also boasts solid multimedia features. The laptop powered by 2.4 GHz 3rd generation Intel Core i3 processor. It has a 15.6-inch display with a resolution of 1366 x 768 pixels, 4GB RAM, 500 GB hard disk, HD webcam, Intel® HD 4600 graphics. Ports you'll find on Lenovo G510 are a USB 2.0 port, two USB 3.0 ports, an HDMI port, a VGA port. In terms of connectivity, it features 10/100 Mbps LAN, 802.11b/g/n Wi-Fi, and Bluetooth.

Price: Tk. 40,000/-

ASUS Launches Vanguard B85 motherboard of TUF Series

<http://www.ocaholic.ch/modules/news/index.php?storytopic=58> Asus has launched yet another addition to it The Ultimate Force (TUF) line of motherboard, the TUF Vanguard B85. The specs include LGA1150 Socket for 4th Generation Intel® Core™ processors, four DDR3 DIMM slots with support for up to 32GB of dual-channel memory, two PCI-Express x16 3.0 slots (second is PCIe x4 2.0), PCI-Express x1 slot and standard PCI slot. Storage connectivity wise, the new Asus TUF Vanguard B85 offers four SATA 6Gbps and two SATA 3Gbps while the rest of the specs also include DVI, HDMI, D-Sub and Display Port outputs, six USB 3.0 ports and bunch of USB 2.0 ports, 7.1-channel audio, gigabit Ethernet as well as Asus' TUF military-grade features including the Thermal Radar feature.

Price: Tk. 9,500/-



TECH HAPPENING

Intel's prediction for 2014

As we say goodbye to 2013, Intel and its executives highlight key trends and predictions for the year ahead. The following comments may be attributed as indicated. Key predictions:

- "Imagine when wearable devices are with us 24/7. With the amount of data, information, and personal content that will be exchanged, security will become even more important." Brian Krzanich, CEO, Intel
- "Of course there are also challenges around things like privacy, security, identity and reputation... As a result, there is a lot of governmental and regulatory activity to help clarify

2014 Desktop Roadmap Direction

Earliest Die/Product availability per Segment	2013			2014			2015
	SR	BTS	HR	SR	BTS	HR	SR
High End (130-140W TDP) (Enthusiast)				Ivy Bridge-E (LGA 2011-3)			Haswell E (LGA 2011-3)
Consumer (95W-35W TDP) Mainstream LGA 1150 Socket	Haswell			Haswell Refresh Platform			
	B Series Chipset			Broadwell-K			B Series Chipset
Business (95W-35W TDP) Mainstream LGA 1150 Socket	Haswell			Haswell Refresh			
	B Series Chipset			B Series Chipset			

this emerging area – it will be fascinating to see what emerges around the globe." Genevieve Bell, Futurist and Director of User Experience Research, Intel

- "Technology is a necessity of modern life, especially for Asia's young and fast-growing middle class." Gregory Bryant, Vice President and General Manager, Intel Asia-Pacific and Japan
- "During the next era of personal computing, the biologic problem shifts to a computational problem in the treatment of cancer. Computing doesn't get any more personal than when it saves your life." Renee James, President, Intel

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