

Magnus Gyan E90T CPE RFP Information and Certifications

Magnus Gyan tablets operate under the commercial standards for the IPV6 protocol and under the RFC 2460 specifications as well as all other RFC related to the IPV6 protocol. The tablets operate under both IPV4 and IPV6 protocols.

Magnus Gyan certifies that the tablets submitted for the CPE RFP are of a technology in current production and they comply with all and every of the minimum specs required by CPE. The specifications of Magnus Gyan's CPE tablets can be seen below.

Technical Specifications

Parameter	Minimum Required Specifications	Specification Offered	Number of the Offer where you can verify compliance
Brand of Tablet	Specify	Magnus Gyan	
Model of Tablet	Specify	E90T	
Software			
Operative System	Android 4.X, Windows RT, Windows 8, iOS 6.X	Android 4.2.2	
Processor			
Brand	Specify	Rockchip	
Model	Specify	RK3188 ARM Cortex A9 – Quad Core	
Reference	Specify	http://www.rock-chips.com/product.php?id=84&width=830&height=500 Press release specifying date of release of RK3188 as Jan 2013 http://www.rock-chips.com/index.php?do=news&id=155	
Memory			
Total capacity	Specify	2GB RAM	
Technology	Specify	DDR3	
Local Storage			

Total capacity	16 GB	16 GB	
Technology	Solid State or eMMC	Solid State	
Touch & Screen			
Type	Capacitive	Capacitive	
Multi Touch	YES	YES	
Pinch (e.g. Zoom, rotate)	YES	YES	
Number of points	5	5	
Material	Glass - Glass	Glass-glass	
Size	9" Diagonal	9.7" Diagonal	
Resolution	1280X720 WXGA LCD TFT. 149 pixels per inch (ppi)	Resolution: 2028X1536 262 pixels per inch (ppi)	
Contrast	700:1	700:1	
Luminescence (nits)	350 cd/m2	350 cd/m2	
Rotation	4 ways	4 ways	
Camera			
Frontal	VGA	2 MPX	
Back	Resolution 3 MP, autofocus	5 MPX, autofocus	
Functionality	Recording Video and Photography	Recording Video and Photography	
Audio			
Interphase	Integrated Stereo	Integrated Stereo	
Connectors Input/output	Standard 3.5 mm (Audiphones/Speakers/microphone)	Standard 3.5 mm (Audiphones/Speakers/microphone)	
Microphone	Incorporated	Incorporated	
Speakers	2 - Incorporated (Stereo)	2 - Incorporated (Stereo)	
Sensors			
Accelerometer 3 axis	One (1)	One (1)	
Light Sensor	One (1)	One (1)	
Wireless Connectivity			

Interphase	Integrated WiFi	Integrated WiFi	
Standard	IEEE 802.11 b/g/n	IEEE 802.11 b/g/n	
Compatibility	IPV4 and IPV6	IPV4 and IPV6	
Bluetooth V 2.x	YES	3.0	
Additional external Interphases			
HDMI and/or Mini HDMI and/or video output	One (1)	One (1) Mini-HDMI	
USB Port and/or micro USB 2.0	One (1)	One (1) Micro USB 2.0	
SD card Memory Slot and/or Micro SD	One (1)	One (1) MicroSD memory slot	
Power			
Power source	Charging process through micro USB port or dedicated connection	Charging process through dedicated connection	
Voltage / Frequency range	110-240 VAC @ (50/60Hz)	110-240 VAC @ (50/60Hz)	
Battery	Rechargeable Ion-Lithium o Polymer-Lithium	Rechargeable Ion-Lithium	
Batteries capacity	6.000 mA/h	12.000 mA/h the battery charges to 90% in under 4 hours and will run for 6 hours based on the test parameters of CPE	
Various			
Programming OTA (Over the Air)	<p>The manufacturer must guarantee the programmability and the remotely update of the tablets for the new versions of the Operating System with previous authorization of Computadores para Educar. These updates will be requested from the tablets towards a provider's server, and not from this to the installed base of tables, delivered by the same manufacturer.</p> <p>This service will be verified 10 days after the award of the contract and must be available for Computadores para Educar throughout the three (3) years of warranty terms of the product.</p>	<p>Magnus Gyan currently has the capability of updating each tablets operating system remotely from the company's existing servers.</p> <p>Updates will be delivered to the tablets directly from Magnus Gyan upon request from the tablets after CPE authorization.</p>	

Manufacturer	Only one manufacturer / one single reference	Magnus Gyan / E90T	
User and Operations Manuals	The Spanish Language must be incorporated in the tablet in a digital form and in a website	Magnus Gyan incorporates the Spanish version of the operating manual in each tablet as well as on the firms website.	
Protective Case	<p>Each tablet should include a protective case. The kit should allow access to all control buttons and ports of entry/exit of the tablet, without removing the case.</p> <p>The case should allow placing the tablet in two (2) inclined planes on the table, in order for the user to not use ones hands, placing the tablet horizontally and altering on two different angles.</p>	Magnus Gyan currently has a case that allows access to all ports and buttons on the device. The case also allows the tablet to rest in two planes per the instructions of the RFP.	
Accessories	<p>1 Micro USB extender (in case on not having a USB entry) with a minimum length of 10 cm including its connectors</p> <p>1 mini HDMI cable, a HDMI for every 10 tablets or a video OUT cable offered to a HDMI, with a length of 1 meter.</p> <p>1 micro USB to USB cable, or 1 USB to USB cable, with a length of 1 meter.</p> <p>1 adapter to connector of 110- 240 VAC @ (50/60Hz) to charge the tablet.</p> <p>1 handsfree with a microphone and a 3.5 mm conector.</p> <p>1 protective film for the installed crystal that does not affect the touch's sensitivity, the luminosity and the screen's brightness.</p>	<p>1 Micro USB to USB extender of min. 10 cm</p> <p>1 mini HDMI cable with length of min. 1 meter for every 10 tablets</p> <p>1 micro USB to USB cable with length of min. 1 meter</p> <p>1 adapter of 110-240 VAC @ 50/60Hz</p> <p>1 handsfree 3.5 MM audio connector with microphone</p> <p>1 protective film that does not affect the touch's sensitivity, the luminosity and the screen's brightness</p>	
	The device must withstand drops from 50 centimeters on solid ground (eg cement floor) of the tablet, without removing the case, throwing it in whichever position	Yes	
Must take into account the following numerals:	<p>Numeral</p> <p>5.5.1 General Considerations</p> <p>5.5.2 Software and Installation</p> <p>5.5.3 Software for classroom control</p>	Magnus Gyan certifies that all the numerals mentioned here have been taken into account and will be executed in exact compliance with the RFP put forth by CPE.	

<p>5.5.4 Anti-theft Security</p> <p>5.5.5.3 Packaging</p> <p>5.5.5.4 Warranties</p> <p>5.5.5.5 Anticipated Warranty</p> <p>5.5.5.6 Technical helpdesk</p> <p>5.5.5.7 Distribution of the goods</p> <p>5.5.5.10 Fulfillment of environmental regulation</p>		
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The tablets are of a technology in current production and that they comply with all and every of the minimum specs required by CPE goods offered comply fully with the following features:

Additional information

Environmental and Electrical Operating Bounds

Parameter	Values		Units
	Min	Max	
Voltage	110	240	V AC
Storage Temperature	20	35	°C
Storage Humidity	0	70	%RH
Operating Temperature	-4	55	°C
Operating Humidity	10	85	%RH

Over the Air Programming

Magnus Gyan has developed a platform to allow for remote access and reprogramming of each individual tablet. Each device is enabled to remotely download new versions of the Android Operating System via the cloud, hosted on our servers in India. This distribution infrastructure only requires an active internet connection and authentication from the device to initiate the download. It is designed to operate with all versions of Android.

When a new upgrade is available, a notification will be pushed to each device based on each device's individual mac address and serial number. After the device receives the notification, the user will be able to click on it, prompting the download and installation of the new OS. After the installation is completed, the tablet will restart as it would after a factory reset. Upon booting, the new OS has been successfully installed.

Logo Printing

All logo printing done on the devices will be done using screen printing. The ink used is designed to withstand wear and tear as well as chemicals used to attempt to remove it. It is water resistant as well, and designed to adhere to the tablet for an extended period of time.

Component Supplier information

Processor

Rockchip – www.rock-chips.com - Model: RK3188

Verification link: http://www.rock-chips.com/a/en/products/RK31_Series/2013/0808/314.html

Front Camera

Galaxy Core – www.gcoreinc.com - Model: GC2035

Verification link: <http://www.gcoreinc.com/product/showproduct.php?lang=en&id=54>

Back Camera

OmniVision – www.ovt.com - Model: OV5640-GO4A

<http://www.ovt.com/products/sensor.php?id=93>

ISO Certificates (images below)

ISO 9001 - <http://www.szaction.com/shownews.asp?ID=124>

ISO 14001 - <http://www.szaction.com/shownews.asp?ID=123>