

Nexus and Nexus/G

I-Bus integrated GSM and GSM/GPRS modules



The Nexus is no run-of-the-mill GSM device. In fact, it is well outside the normal scheme of things and launches the user into the world of connectivity. This device integrates perfectly with SmartLiving control panels to deliver excellence in operational capabilities. Gone are the days when the Nexus was an 'external' peripheral of the control panel. Today, it is an 'internal' element of the SmartLiving system and as such is programmed by simply configuring the control panel. Installation is simple. You just connect the Nexus to the I-Bus in the same way as you would any other peripheral device (keypad, proximity reader or expansion board). You can install it directly on the motherboard or, if you need to improve the GSM reception signal quality, relocate it by means of a simple I-Bus connection. Distance between the GSM device and the control panel presents no problems, as the Bus can easily be expanded by means of IB100 series isolators/repeaters. If you connect the Nexus externally to the control panel, you can activate the emergency communication functions. These functions allow the Nexus to send automatic voice calls, digital reports and SMS messages in the event of communication breakdown (caused by faults or acts of delinquency) between the Nexus and the control panel. Once the Nexus is connected to the BUS of the SmartLiving control panel, it can be programmed to send voice calls and digital reports over the landline (PSTN) and GSM network (interfaced through the Nexus). The Nexus provides a supplementary phone number (SIM number) for the management of incoming calls to the control panel. This allows the system to manage the voice-menu (DTMF commands over-the-phone), which is made available each time the control panel opens a communication with a voice-menu enabled user. Additionally, the Nexus provides the SmartLiving system with a set of send/receive SMS functions. These functions allow the control panel to send customized SMS text messages for each event and also allow the user to send SMS commands to the control panel to activate/deactivate scenarios and outputs and/or make system-status enquiries. All these operations are code protected (Caller ID required). The Nexus is capable of recognizing the service provider and, if duly programmed, will be able to manage 'low credit' conditions. When the device detects such a condition, it will signal the event to the control panel thus prompting the user to take the necessary action. The Nexus/G offers even greater flexibility. It provides all the functions of the Nexus and, when connected to the I-BUS of the SmartLiving control panel, allows users to take advantage of the GSM/GPRS network. This operational capability enables the control panel to become "visible" over the Internet and permits remote access and management through the SmartLeague software application. Such connections are activated either at a keypad or from just about anywhere by simply sending an SMS text message to the Nexus/G. Under normal circumstances, the Nexus/G will connect to the IP address programmed on the control panel. However, for those times when it is not possible to connect to this address (for example, when you are away from your workplace), the Nexus/G offers a truly revolutionary solution. In fact, by sending the Nexus/G an SMS text message containing access credentials and the required IP address, your computer will connect to the Nexus/G within a few seconds. This function allows you to start a remote management session over the GPRS network via a mobile "Internet-key" or hotspot/tethering on any capable smartphone. The Nexus/G also provides the SmartLiving system with a digital communicator toward alarm receiving centres (ARCs) that support SIA-IP protocol. This feature permits the reception of real-time information via IP connections and provides many advantages in terms of cost and performance: a true alternative to landline connectivity. Moreover, the Nexus/G is capable of UCS2 character set management. This codification allows the recognition and forwarding of SMS text messages containing characters typical of non-European languages. Due to the fact that GPRS connections require a service-enabled SIM card, it is always wise to compare the charges levied by the various providers before making your choice. The Nexus and Nexus/G devices come with a magnetic antenna and 3 meters of cable for easy installation.

Main Features

	Nexus	Nexus/G
Voice communicator over GSM network	Yes	
Digital communicator over GSM network	Yes	
Sends pre-set and editable SMS texts for each event	Yes	
Activates control panel scenarios via SMS text message	Yes	
Activates control panel scenarios via Caller ID (200 numbers)	Yes	
Command done SMS text or ring feedback	Yes	
Diverts incoming SMS texts	Yes	
PSTN and GSM channel priority management for each event	Yes	
Answerphone functions and DTMF command management	Yes	
Device status viewable on system keypad	Yes	
Automatic control of remaining credit	Yes	
Emergency report via voice, digital and SMS text communication	Yes	
Device status notification via SMS (remaining credit, operator, faults, etc.)	Yes	
GPRS connectivity	-	Yes
Programming and management of the SmartLiving system via GPRS	-	Yes
IP communicator to alarm receiving centres supporting SIA-IP protocol	-	Yes
UCS2 character set management	-	Yes
Dimensions (HxLxD)	59x108x20 mm	
Weight	60 gr	

ORDER CODES

Nexus: I-BUS integrated GSM/GPRS module for SmartLiving control panels.

Nexus/G: I-BUS integrated GSM/GPRS module for SmartLiving series control panels.