
DSC Impassa HSPA Module - Data Sheet

The Impassa HSPA 3G Module from Alarm.com brings Alarm.com's secure wireless signaling, real-time notification and web-based remote monitoring and control capabilities to the DSC Impassa panel. Its digital wireless communication via HSPA enables secure alarm reporting to any central station via SIA or Contact ID, regardless of whether a phone line is installed at the system location.

- Secure Wireless Signaling via HSPA
- No phone line required (VoIP Compatible)
- Remotely programmable via Alarm.com's Remote Toolkit
- Enables Alarm.com interactive monitoring and alerting for end users
- Supports two-way voice over HSPA
- Integrated support for Alarm.com emPower™ home automation and energy management platform
- Compatible with Alarm.com Image Sensor (additional hardware required)

Features

Fast, Reliable & Secure Wireless Signaling

The Alarm.com HSPA Module for Impassa can be used as the primary means of communication (no phone line needed) or as a backup to a landline phone connection.

No Separate Power Supply Needed

The Alarm.com HSPA Module does not require its own battery or transformer. It runs on the control panel's AC power and backup battery sources and can function reliably for more than 24 hours during a power outage.

Remote Monitoring & Control via Web/Mobile

Operation of the Impassa system from the Alarm.com web and mobile interface is simple and allows system access at any time, from any location. Web features from Alarm.com include viewing system status and history, arming and disarming the system, setting up and managing user codes, and creating customized e-mail and text message notifications for any type of alarm or non-alarm activity at the property.



Expansive Coverage Footprint

Alarm.com's HSPA services are available throughout the United States on Verizon's reliable nationwide network.

Two-Way Voice over HSPA

The HSPA Module with Alarm.com's patented digital two-way voice technology gives customers additional security and peace of mind by allowing a central station operator to speak to occupants and listen-in on premise activity during alarm events directly through the control panel— even without a landline connection.

emPower™ Home Automation & Energy Management

Alarm.com's emPower™ solution, supported on the HSPA Module, offers feature-rich home automation and energy management services built on our proven, interactive platform, allowing remote control of Z-Wave devices through the web/mobile interfaces.

Innovation in Motion with Alarm.com's Image Sensor

The Alarm.com Image Sensor combines a wireless PIR (Passive Infrared) motion sensor, an integrated still camera, completely wireless communication, and Alarm.com Interactive Services to deliver better security through visual verification of alarms and increased engagement through on-demand property views. The Image Sensor is compatible with the HSPA Module when the Image Sensor daughterboard (sold separately) is connected.

Easy-to-Read Diagnostics

The Alarm.com HSPA Module diagnostic LEDs and supplementary troubleshooting menus on the panel allow installers to monitor the connection between the control panel and the module, and between the module and the HSPA cellular network. The LEDs also indicate HSPA signal strength, which is useful when choosing the best location for the HSPA Module and antenna installation.

Easy Remote Programming with the Remote Toolkit

Save valuable time and money with Alarm.com's web based Remote Toolkit. Using the Remote Toolkit, security dealers can troubleshoot and resolve many customer issues remotely with just the click of a mouse.

Functions Include:

- Add and delete sensors
- Edit sensor type and name in panel
- Change entry/exit delays
- Change beep settings and volumes

The Remote Toolkit does not require downloader software or a phone line connection to the control panel.



Specifications

Compatibility

Impassa panels with software versions 1.3+

Power Requirements

3.9v, 60mA standby current without Image Sensor daughterboard (5mA PowerSave mode), 84mA standby current with Image Sensor daughterboard (10mA PowerSave mode), 1A peak current

Cellular Network

HSPA 3G

Operating Temperature

14 to 131°F (-10 to 55°C)

Storage Temperature

-30 to 140°F (-34 to 60°C)

Humidity

90% non-condensing

Dimensions

(H x W) 3.25 x 4.25 in. (8.23 x 10.80 cm.)

Listings

FCC Part 15, IC, PTCRB

Carrier Options

AT&T, Rogers



IMPASSA

Self-Contained 2-Way Wireless Security System Compatible with Alarm.com



Features That Make a Difference:

- 4 integrated communicator models: 3G8055; 3G8055I*; CD8055**; CD8055I*/**
- 2 integrated cellular technologies: HSPA+ (3G); CDMA** (only available in US)
- Supports 64 wireless zones and 16 wireless keys (without using a zone slot)
- Cellular signal strength read-out to optimize placement
- Built-in 2-way audio VOX and push-to-talk alarm communication via phone line and cellular
- Supports 4 keypads - 4 sirens
- Built-in EmPower/ Z-Wave automation
- 17 user access codes
- 500 event buffer
- Easy wireless device enrollment process
- Supports image sensors via virtual zones
- Enterprise notices
- Weather/ severe weather alerts
- Alarm.com AirFX remote toolkit
- Remote firmware upgradable over cellular via alarm.com AirFX
- Compatible web services
- False alarm reduction features (CP-01)
- Internal antennae

* Required for supporting image sensors

** Only available in US

The IMPASSA Strategy: Detect. Defend. Defeat.

IMPASSA is the newest, next generation wireless security system from DSC. IMPASSA comes with the defense and offense needed to protect the 'king' – the home and homeowner - including:

- An integrated communicator (3G8055; 3G8055I*; CD8055**; CD8055I*/**) featuring support for Alarm.com's home automation solution with built-in Z-Wave capabilities.
- The flexibility of a distributed approach that allows wireless devices to be located wherever needed for optimal protection.
- 2-way audio communication between the central monitoring station and the home to increase the homeowner's peace of mind.

As easy as setting up a chessboard, installers can now deliver a full-featured home security solution in minutes by easily enrolling a range of compatible wireless devices into the IMPASSA security system with the integrated communicators and registering with alarm.com.

IMPASSA -- Checkmate.

Defensive Strategy - Integrated 3G8055 and CD8055** Communicators

As any good chess player knows, looking many moves ahead is critical for a checkmate. As more homeowners transition away from traditional phone lines towards VoIP (Voice over IP) or mobile wireless phones for communication, IMPASSA delivers an alternate communication path using the cellular network.

In addition, IMPASSA includes a more traditional phone line communicator using the Plain Old Telephone Systems (POTS).

The 8055 series of communicators lends IMPASSA the power and flexibility of dual cellular technologies for superior coverage while enabling wireless reporting of all alarms and other system events from the control panel using either an all-digital, CDMA wireless or HSPA+ (cellular) network.



panels, keypads & modules

The module can be used as the primary communication path for all alarm signaling, or as a backup to a telephone connection to the central monitoring station. The wireless alarm signaling and routing service is operated by alarm.com. The CDMA and HSPA+ (3G) communicator also features integrated support for alarm.com's home automation solution with built-in Z-Wave capabilities.

The Flexibility of a Distributed Wireless System

Because IMPASSA is a distributed wireless system, installers have the flexibility of positioning the panel away from the premise's entry point. This allows for the installation of the WT5500A (P) 2-way wireless wire-free keypad near the entry point so that even if the premise is compromised, the main unit (the IMPASSA panel) cannot be located by the intruder and tampered with. The ultra-modern WTK5504DA Wireless TouchScreen Arming Station offers an intuitive end user interface with voice enunciations of system activity.

For additional protection, install 2-way wireless sirens away from the IMPASSA alarm system to further camouflage and protect its location.

2-Way Audio Communication for Ultimate Peace of Mind

Sometimes even the 'king' needs advice, help or reassurance. IMPASSA delivers 2-way audio (VOX only or VOX and push-to-talk) alarm communication with the central monitoring station during alarm events for the homeowner's peace of mind. With high-quality speakers and microphones, homeowners can easily talk directly to the central monitoring station as needed.

Make your Moves Easily with IMPASSA

Once you have a good strategy in place, moving chess pieces should be quick and easy – and it is with the IMPASSA 2-Way Wireless Security System and wireless compatible devices. With only one wire needed for AC power, installers need to drill fewer holes and pull fewer wires, reducing on-site time, which leads to increased productivity and revenue. This benefits the homeowner too because it means minimal disruption to the home and less waiting around during the installation.

Using the IMPASSA 2-Way Wireless Security System also reduces the time spent enrolling compatible wireless devices. Installers confirm Electronic Serial Numbers (ESN),

zone numbers and zone type through a series of userfriendly screens. Installation is simple and flexible. Choose to set-up the system traditionally with full communicator programming at the keypad and 4- digit template programming or simply through the Alarm.com dealer portal via web services.

Communicator Models Available for IMPASSA with Alarm.com

- 3G8055
- 3G8055I - required for image sensor function
- CD8055*
- CD8055I* - required for image sensor function

* Only available in US

V1.3+ Compatibility

- Alarm.com home automation solution with built-in Z-Wave capabilities**
- WT5500A (P) 2-Way Wireless Wire-Free Keypad
- WTK5504DA Wireless TouchScreen Arming Station
- WT4901 2-Way Wireless Indoor Sirens or
- WT4911 2-Way Wireless Outdoor Sirens or a combination of both (up to 4 in total)
- WT4989 2-Way Wireless Key
- WS4920 1-Way Wireless Repeater
- IS214 image sensor
- All DSC 433 MHz Wireless Devices

** Alarm.com's home automation solution is not UL/ULC evaluated.

Specifications

Dimensions.....	8.93" x 5.51" x 1.65"
	227mm (L) x 140mm (W) x 42mm (D)
Current Draw.....	425 mA -750 mA
Power Supply.....	16.5 VAC/20 VA @ 50/60 Hz
Aux+ Output.....	12.0-12.5 VDC/100 mA
Battery Backup.....	24 hr Backup
Operating Environment.....	32° to 120° F (0° to 49° C)
Relative Humidity.....	5% to 93%
Zone Count.....	64
Access Codes.....	17

Approval Listings

FCC/IC, UL/ULC, SIA CP-01

