

# Technical Bulletin

## FPA-1000 FACP Family



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### Issue severity

- High. Act immediately
- Medium. Bosch Security Systems strongly recommends you take the action(s) described below.
- Low. Advisory

### Products affected

- ▶ FPA-1000-UL, FPA-1000-V2, FPA-1000-LC and FPA-1000-LT.

**September 28, 2016**

#### Issue

This memo describes internet connectivity and security for the Bosch FPA-1000 control panel family. This fire alarm control panel features internet connectivity allowing it to be part of and take advantage of the Internet of Things (IoT).

However, as with any internet connected device, with increased capability comes additional risks. If precautions are not followed to help prevent access by hackers, the system may be compromised from external sources.

These external security risks include:

- Network Traffic Flood
- Unauthorized Access
- Reprogramming the Device
- Repurposing the Device
- Loss of Fire Detection
- False Alarm / Trouble
- Blocked Alarm Notification
- Denial of Service

#### Resolution

To minimize these security risks:

- The remote programming feature must be configured to “CONFIRM AT PANEL,” and trained personnel must be on site at the panel to allow access.
- The remote user must provide the proper username and password for client authentication.
- After the first log-in, change all default passwords for the web access and event printing. Assign proper authorization levels. Also configure the PPP connection to “Disabled” to prevent unauthorized access through phone lines.

If the remote programming is not configured in this way, an unauthorized user can access the panel via web-browser.

To further enhance internet security:

- Disable the remote programming feature.
- Remove the Ethernet connection
- Install a B465 Universal dual path communicator for reporting to central station.

This will allow IP/Cellular reporting with no remote access to the browser.

For more detailed risks and effects refer to the product page of the FPA-1000 at [www.boschsecurity.us](http://www.boschsecurity.us).

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