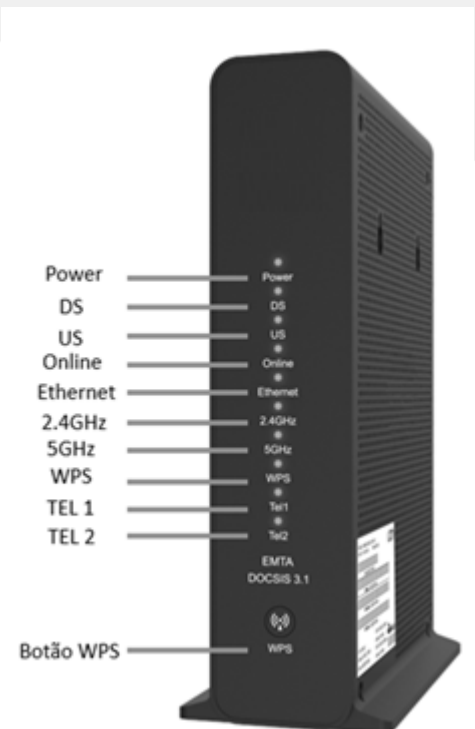


# CH8568

## DOCSIS 3.1 Wireless Voice Gateway

### FEATURES

- DOCSIS 3.1 support speeds up to 5Gbps downstream and 2Gbps upstream
- 2x2 DOCSIS 3.1 OFDM/OFDMA support as well as 32x8 DOCSIS 3.0 SC-QAM channel bonding the ability to deliver up to 2 Gbps as cable operators networks evolve to support these speeds
- Switchable Up Stream Support 5 MHz – 42 MHz/5MHz – 85 MHz
- Fixed Down Stream support 108MHz – 1218 MHz
- Wi-Fi support 2.4GHz 802.11n 3x3, 5GHz 802.11ac 4x4 Wave 2 MU-MIMO
- Support MU-MIMO, Zero-Wait DFS, Band steering, and ATM
- Dual stack IPv4/IPv6 network management interface
- Advanced SNMP network management
- Delivers high-bandwidth, multimedia services to residential customers
- TR-069 Remote management for customer care
- DNS poisoning functionality to automatically resolve UI URL to local management IP address
- Local language specific UI



### PRODUCT OVERVIEW

The Compal Broadband Networks, CH8568 DOCSIS 3.1 Wireless voice gateway is a fully integrated all-in-one home networking, communication solution. It combines the functionality of four-port 10/100/1000 Gigabit Ethernet with advanced firewall, and Intel dual band concurrent 3X3 2.4GHz 802.11n and 4X4 5GHz 802.11ac wireless access point in one convenient package. Intel's solution extends benefits of the performance and coverage to your indoor environments, which you must have it!



## Specification

<b>Interfaces</b>	<ul style="list-style-type: none"> <li>• F-type female Connector x1</li> <li>• USB 3.0 x 1 (Support LTE backup WAN)</li> <li>• 1GbE RJ-45 x 4 (LAN)</li> <li>• VoIP RJ-11 x 2</li> </ul>
<b>Key Features</b>	<ul style="list-style-type: none"> <li>• Protect the installed base of premium high speed data customers</li> <li>• Deliver high-bandwidth, multimedia services to residential customers</li> <li>• Deliver competitive, high-capacity commercial services to your business customers</li> <li>• Beamforming</li> <li>• MU-MIMO</li> </ul>
<b>Wireless</b>	<ul style="list-style-type: none"> <li>• 3x3 2.4GHz 802.11n</li> <li>• 4x4 5GHz 802.11ac</li> <li>• Dual band concurrent</li> </ul>
<b>Security</b>	<ul style="list-style-type: none"> <li>• Wi-Fi Protected Access® (WPA/WPA2—PSK)</li> <li>• Double firewall protection (SPI and NAT firewall)</li> <li>• Push 'N' Connect—Easy push button WiFi connections (WPS)</li> </ul>
<b>Compliance</b>	<ul style="list-style-type: none"> <li>• RoHS, CE and WEEE</li> </ul>
<b>Diagnostic LEDs (Front)</b>	<ul style="list-style-type: none"> <li>• Integrated LEDs for status of Power, Downstream, Upstream, Internet, WPS, Wi-Fi, and TEL</li> </ul>
<b>Diagnostic LEDs (Rear)</b>	<ul style="list-style-type: none"> <li>• Ethernet Link/Active</li> </ul>
<b>Dimension</b>	<ul style="list-style-type: none"> <li>• 260mm (H) x 220mm (D) x 53mm (W)</li> </ul>
<b>Environmental</b>	<ul style="list-style-type: none"> <li>• Operating temperature: 0°C - 40°C</li> <li>• Operating relative humidity: 5% - 85% (non-condensing)</li> <li>• Storage temperature: -40°C - 70°C</li> </ul>

### **Compal Broadband Networks, Inc.**

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## Federal Communication Commission Interference Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

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● FCC Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

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● This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

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● For product available in the USA/Canada market, only channel 1~11 can be operated. Selection of other channels is not possible.

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● This device is restricted for indoor use.

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● Professional installation is required.

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### IMPORTANT NOTE:

#### FCC Radiation Exposure Statement:

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance **20cm** between the radiator & your body.

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