# CellNode BR

*Sys* **aster** 

#### Wireless Bridge

#### Product Overview

CellNode BR is an indoor wireless bridge that allows multiple clients to connect to local or remote access points using 802.11b/g 54Mbps wireless links. The device can function in three modes: Bridge, Relay, and Access Point. In Bridge and Relay modes, CellNode BR extends the coverage of traditional access points by connecting multiple access points to a single fixed line (Bridge mode) or by connecting multiple access points to a remote access point (Relay mode). Additionally, CellNode BR can function as a traditional access point, providing network access to wireless clients.



### Key Features

- Multiple operating modes to accommodate different network environments
- High data exchange rate of up to 54Mbps
- Secure communication based on 64/128-bit WEP, WPA, WPA2 standards
- Auto rate fallback for improved connectivity in the presence of obstacles or interferences
- User friendly configuration via a web browser
- Extended product life via firmware upgradeability
- Controlled network access via MAC access control

**Access Mode** 

### Operating Modes

#### Bridge Mode Relay Mode

In Bridge mode, CellNode BR will relay all signals coming from its Ethernet port to its wireless port and vice versa. This functionality will allow connectivity between LAN and wireless networks. In that mode, CellNode BR can be used to connect multiple access points to a wired LAN.

In Relay mode, CellNode BR extends the range of wireless networks. The device uses Wireless Distribution System (WDS) technology, allowing it to communicate directly with other access points. This way, a number of secondary access points can connect to a master access point via CellNode BR via wireless links.

CellNode BR can also function as a traditional access point to provide wireless clients with access to wired networks.

## CellNode BR



## Technical Specifications

CPU: Realtek RTL8186Flash: 2 MB NOR Flash

RAM: 8MB SDRAMRF: Realtek RTL8225

Interface: RJ-45 10/100Mbps Port
 Antenna: RP-SMA Detachable Antenna

Transmit Power: 18 dBmPower: 12V DC, 0.5A

Dimensions (H x W x D): 30 mm x 127 mm x 96 mm
Operating Temperature: 50F to 122F (10C to 50C)
Operating Humidity: 10% to 90% Non-Condensing
Storage Humidity: 10% to 90% Non-Condensing

· Certifications: FCC, CE

• Standards: IEEE 802.11g (DSSS) 2.4GHz specification

• Operating Frequency: 2.400 Ghz to 2.4835 GHz, 1~14 channels

Data rate: Up to 54Mbps

Operating Modes

- Access Point

- Access Point Client

- Bridge Point-to-Point

- Bridge Point-to-Multipoint

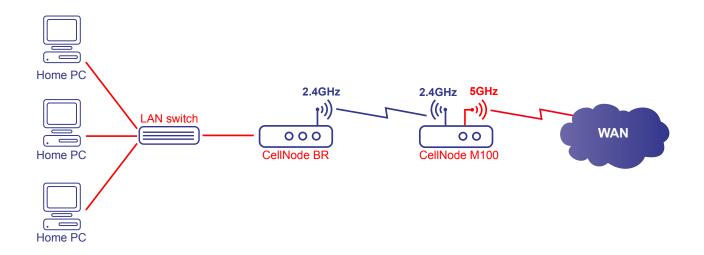
- WDS

- Repeater

Security: 64/128-bit WEP, WPA, WPA2

Configuration: Web based administrative console

Upgradeability: Firmware





SysMaster 2700 Ygnacio Valley Rd, Suite 210 Walnut Creek, CA 94598 United States of America

Email: sales@sysmaster.com Web site: www.sysmaster.com

Notice to Recipient: All information contained herein and all referenced documents (the "Documents") are provided subject to the Terms of Service Agreement (the "Terms") found on SysMaster website http://www.sysmaster.com (The "Site"), which location and content of Terms may be amended from time to time, except that for purposes of this Notice, any reference to Content on the Site shall also incorporate and include the Documents. The Recipient is any person or entity who chooses to review the Documents. This document does not create any express or implied warranty by SysMaster, and all information included in the Documents is provided for informational purposes only and SysMaster provides no assurances or guarantees as to the accuracy of such information and shall not be liable for any errors or omissions contained in the Documents, beyond that provided for under the Terms. SysMaster's sole warranty is contained in the written product warranty for each product. The end-user documentation shipped with SysMaster products constitutes the sole specifications referred to in the product warranty. The Recipient is solely responsible for verifying the suitability of SysMaster's products for its own use. Specifications are subject to change without notice.