

NCL1155

WaveRider® NCL1155 Bridge/Router

The WaveRider NCL1155 Bridge/Router can make your world wireless – faster than ever. This newest offering in the WaveRider NCL family is the feature and performance leader in wireless connectivity for LAN-to-Internet and LAN-to-LAN applications. The NCL1155 enables reliable broadband connections to corporate computer networks, outlying offices, and the Internet.

Using Direct Sequence Spread Spectrum modulation in the license-exempt 2.4 GHz ISM band, the NCL1155 can be deployed quickly and easily without applying for regulatory approvals, and without incurring licensing or monthly service charges. Compared to the cost of traditional leased lines, NCL1155 wireless links typically deliver ROI payback in less than a year.



The NCL1155 supports both point-to-point and point-to-multipoint communication, making it ideal for:

- Providing high-speed Internet access in areas without a suitable telecommunications infrastructure
- Linking remote offices to corporate offices without the recurring costs of leased lines
- Connecting academic or corporate campus buildings to each other and to the Internet
- Providing broadband WAN or Internet services for temporary facilities, special events, etc.

NCL1155 at a glance

- Operates in the 2.4 GHz ISM band, license-exempt in the U.S., Canada, and many other countries
- Direct Sequence Spread Spectrum delivers high-speed throughput and ensures secure communication
- Supports both point-to-point and point-to-multipoint applications
- Forwarding Modes: IP Routing and Bridging (default Learning Bridge and Static Routing)
- Delivers over-the-air data rates of 11 Mbps and up to 7.5 Mbps of real world user data throughput
- Windows-based GUI (Graphical User Interface), Command Line Interface for Telnet, and Web Browser interface for programming and monitoring RF and IP network conditions
- Built-in SNMP functionality ensures trouble-free integration and management with existing networks
- Built-in RF Network Management tools and RSSI (Receive Signal Strength Indicator)
- Maintains optimal throughput up to 10 miles (16 km)
- Routing features/protocols: RIPv2, Static IP

For more information on the NCL family of products, please visit our Website.

www.waverider.com

WaveRider®
The World's Wireless Web Company

NCL1155 TECHNICAL SPECIFICATIONS

Model	NCL1155
Order Number (SKU)	100-1155
Operating Frequency Range	2.4000 to 2.4835 GHz
Radio Type	Direct Sequence Spread Spectrum (DSSS)
Radio Modulation	Complementary Code Keying (CCK)
Over-the-Air Data Rate	Up to 11 Mbps
User Data Rate	Up to 7.5 Mbps
Maximum Link Path Distance (typical)	Up to 10 Miles (16 km)
Channels	3 orthogonal (non-overlapping) channel sets
Bandwidth	22 MHz per channel
RF Tx Output Power	+15 dBm at the antenna port
RF Rx Threshold (<8% PER)	-82 dBm
Antenna Connector	Reverse Polarity SMA
Network Interface	Ethernet 10BaseT RJ-45
Configuration/Setup Port	RS232 DB9 (Console Port-DCE)
Flash Memory	4 MB
Power Supply Input	120-240 VAC 50/60 Hz auto-sensing
Operating Temperature	32°F to 131°F (0 to 55°C)
Humidity	10% to 80% relative humidity (non-condensing)
Product Weight/Shipping Weight	2.5 lbs. (1.2 Kg)
Regulatory Approvals	FCC Part 15 Industry Canada RSS-102 and RSS-210
Warranty	1 year limited parts and labor (see WaveRider Warranty Agreement)

Note: WaveRider's Continuous Improvement Policy means that specifications are subject to change without notice.