

## NE-JWR2100

J5create JWR2100 wireless AC1750 Dual Band Gigabit Router with FHD video outputs

### Product Overview

J5create JWR2100 wireless AC1750 Dual Band Gigabit Router with FHD video outputs (HDMI + VGA) - for multi-person conference applications up to 9 simultaneous users/displays, 2.4/5Ghz dual band, (802.11b/g/N/ AC) 1750Mbps (1300+450) wireless router with 4 port gigabit switch + 1x usb 2.0, 4x 5dBi external antennas



### Specifications

#### Overview:

For multi-person conference applications, the Wireless ScreenWave Router supports up to 9 simultaneous displays. The 9 input sources can be connected at any time for content display. It covers the entire array of platforms, whether it is PC, Mac, iOS, or Android, all can achieve seamless access, at any time. JWR2100 is also an AC router with wireless 5G/2.4G and wired Gigabit Ethernet connections, so it allows you to access the Internet while using wireless display connections.

#### Features:

##### Wireless Display Functions

- Supports wireless display
- Split screen shares 9 connected laptop or mobile devices on one presentation screen
- HDMI/VGA interfaces
- USB connect kit for PC/Mac
- Free App for Android and iOS mobile devices
- One button to start or switch to full screen without driver installation
- Perfect for the office & classroom

##### AC Router Functions

- Wireless-AC dual-band technology
- Speed/PHY Rate AC2100 (AC 4 x 4 + N 2 x 2)
- MU-MIMO supports beamforming
- Detachable antenna x4 (5 dBi)
- Backward compatible with 802.11a/b/g networks
- 10/100/1000 Base-T Gigabit Ethernet port x1 and 10/100/1000 Base-T Gigabit switch ports x4

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### Product Specification Sheet

- USB 2.0 port for Samba and FTP file server and printer supported
- Guest network access
- PPTP VPN server
- QoS function
- Parental controls
- DoS protection and Firewall
- WEP, WPA2-PSK, WPA-PSK, WPA-Enterprise and WPA2-Enterprise encryption
- Smart utility allows for easy use with iPad®, tablets, smartphones, and computers

### System Requirements:

- Microsoft Windows 10, 8.1, 8, 7 (32-bit or 64-bit)
- CPU: Intel Core i3 Dual Core 2.8 GHz
- RAM: 2 GB memory or higher
- Mac OS 10.6 or later
- Android 5.0 or later
- iOS X 8.0 or later

### Specifications:

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#### Specifications

|                         |                           |
|-------------------------|---------------------------|
| <b>Product Code</b>     | NE-JWR2100                |
| <b>Hardware</b>         |                           |
| <b>I/O Ports</b>        | HDMI                      |
|                         | VGA                       |
|                         | 3.5 mm Audio Jack         |
|                         | WAN x 1 (RJ-45)           |
|                         | LAN x 4 (RJ-45)           |
|                         | DC 12V in                 |
|                         | USB 2.0                   |
| <b>Wireless Specs</b>   |                           |
| <b>Network Standard</b> | IEEE 802.11 a/b/g/n/an/ac |
| <b>MIMO</b>             | IEEE 802.11ac 4x4         |
|                         | IEEE 802.11n 2x2          |
| <b>Mu-MIMO</b>          | Yes                       |

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|                           |                                               |
|---------------------------|-----------------------------------------------|
| Encryption                | WEP                                           |
|                           | WPA2-PSK                                      |
|                           | WPA-PSK                                       |
|                           | WPA-Enterprise                                |
|                           | WPA2-Enterprise                               |
|                           | WPS                                           |
| Data Rate                 | 802.11a: 54 Mbps                              |
|                           | 802.11b: 11 Mbps                              |
|                           | 802.11g: 54 Mbps                              |
|                           | 802.11n: 300 Mbps                             |
|                           | 802.11ac: 1732 Mbps                           |
| Antenna                   | External antenna x 4 (5 dbi)                  |
| Frequency                 | 2.4 GHz/5 GHz                                 |
| Distance of connection    | 30m (100 ft) Maximum                          |
| Wired Specs               |                                               |
| Network Standard          | IEEE 802.3/3u/3 ab                            |
| Ports                     | WAN x 1(AUTO-MDIX)                            |
|                           | LAN x 4                                       |
| USB Specs                 |                                               |
| Type                      | Type-A                                        |
| Port                      | USB 2.0 x 1                                   |
| Remote Display            |                                               |
| Output Resolution         | HDMI 1920 x 1080                              |
|                           | VGA 1920 x 1080                               |
| Input Resolution          | 1920 x 1200                                   |
| Numbers of Input source   | 9                                             |
| Numbers of screen display | 9                                             |
| Noise level               | 28 dB                                         |
| Audio                     | Speaker supported                             |
|                           | (Windows, Android)                            |
| Frame rate                | Android: 20 - 30 FPS                          |
|                           | Windows: 30 - 35 FPS                          |
|                           | Mac: Will differ based on CPU/GPU performance |
| Frame rate                | Android: 20 - 30 FPS                          |
|                           | Windows: 30 - 35 FPS                          |
|                           | Mac: Will differ based on CPU/GPU performance |

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|                        |                                                                                                                                                                                                                     |
|------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Throughput             | Wireless 5G: 304 Mbps                                                                                                                                                                                               |
|                        | (1 x 1)                                                                                                                                                                                                             |
|                        | Wireless 2.4G: 130 Mbps                                                                                                                                                                                             |
|                        | (1 x 1)                                                                                                                                                                                                             |
|                        | Wired: 730                                                                                                                                                                                                          |
| Power Consumption      | Shutdown: 5W                                                                                                                                                                                                        |
|                        | Operation (typical): 15W                                                                                                                                                                                            |
|                        | Maximum: 24W                                                                                                                                                                                                        |
| Power Supply           |                                                                                                                                                                                                                     |
| AC Input               | 110V - 240V (50 - 60 Hz)                                                                                                                                                                                            |
| DC Output              | 12V / 2A                                                                                                                                                                                                            |
| LED Indicator          | Wi-Fi x 2 (2.4G/5G)                                                                                                                                                                                                 |
|                        | WAN x 1                                                                                                                                                                                                             |
|                        | LAN x 1                                                                                                                                                                                                             |
|                        | WPS x 1                                                                                                                                                                                                             |
|                        | USB 2.0 x 1                                                                                                                                                                                                         |
|                        | VIDEO x 1                                                                                                                                                                                                           |
|                        | POWER                                                                                                                                                                                                               |
|                        | On: Blue                                                                                                                                                                                                            |
|                        | Flash: Error                                                                                                                                                                                                        |
| Functions              |                                                                                                                                                                                                                     |
| Management             | Authority Management                                                                                                                                                                                                |
|                        | Internal Management                                                                                                                                                                                                 |
|                        | Remote Management                                                                                                                                                                                                   |
| QoS                    | WMM (Wi-Fi Multimedia (WMM), is a Wi-Fi Alliance interoperability certification) User can define IP / MAC / connected port rule Upload and download bandwidth management, ACK/SYN/FIN/RST/ICMP is Highest priority. |
| Wireless Network Specs | Wireless On/Off, MU-MIMO                                                                                                                                                                                            |
| Guest Network          | 2.4 GHz Guest Network x 1                                                                                                                                                                                           |
|                        | 5 GHz Guest Network x 1                                                                                                                                                                                             |
| Intelligent Antenna    | Beamforming                                                                                                                                                                                                         |
| VPN                    | PPTP server                                                                                                                                                                                                         |
|                        | PPTP client                                                                                                                                                                                                         |
|                        | L2TP client                                                                                                                                                                                                         |

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### Product Specification Sheet

|                          |                                                          |
|--------------------------|----------------------------------------------------------|
| Firewall                 | Firewall                                                 |
|                          | SPI intrusion detection                                  |
|                          | DoS protection                                           |
|                          | Access Control                                           |
|                          | Parental control                                         |
|                          | Network service filter                                   |
|                          | URL filter                                               |
|                          | Port filter                                              |
| Temperature and Humidity |                                                          |
| Operation                | +0 degreesC to +40 degreesC                              |
|                          | (+32 degreesF to +104 degreesF)                          |
|                          | 0 to 90% relative humidity non-condensing                |
| Storage                  | -20 degreesC to +60 degreesC                             |
|                          | (-4 degreesF to +140 degreesF)                           |
|                          | 0 to 90% relative humidity non-condensing                |
| Other                    |                                                          |
| Multi-media Server       | Image: JPEG                                              |
|                          | Audio: mp3, wma, wav, pcm, mp4, lpcm, ogg                |
|                          | Video: asf, avi, divx, mpeg, mpg, ts, vob, wmv, mkv, mov |
| Printer Server           | Multifunctional printer support (Windows only)           |
|                          | LPR protocol support                                     |
| File Server              | Samba and FTP server                                     |

## Product Information Online

For the latest product information, availability and purchasing details, please visit the product page:

**Product page:**

<https://comx-computers.co.za/NE-JWR2100-J5create-JWR2100-wireless-AC1750-Dual-Band-Gigabit-Router-with-FHD-video-p-186849.php>

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