

## NanoBridge M5: World's First Cost-Effective 5GHz MIMO Bridging Solution

**InnerFeed**  
antenna technology

**airMAX**  
MIMO TDMA Protocol



### SYSTEM INFORMATION

|                      |   |
|----------------------|---|
| Processor Specs      | Atheros MIPS 24KC, 400MHz                             |
| Memory Information   | 32MB SDRAM, 8MB Flash                                 |
| Networking Interface | 1 X 10/100 BASE-TX (Cat. 5, RJ-45) Ethernet Interface |

### REGULATORY / COMPLIANCE INFORMATION

|                    |                               |
|--------------------|-------------------------------|
| Wireless Approvals | FCC Part 15.247, IC RS210, CE |
| RoHS Compliance    | YES                           |

### OPERATING FREQUENCY 5470MHz-5825MHz

| 5GHz TX POWER SPECIFICATIONS |          |         |           | 5GHz RX SPECIFICATIONS |          |             |           |
|------------------------------|----------|---------|-----------|------------------------|----------|-------------|-----------|
|                              | DataRate | Avg. TX | Tolerance |                        | DataRate | Sensitivity | Tolerance |
| <b>5GHz 11n</b>              | MCS0     | 23 dBm  | +/-2dB    | <b>5GHz 11n</b>        | MCS0     | -96 dBm     | +/-2dB    |
|                              | MCS1     | 23 dBm  | +/-2dB    |                        | MCS1     | -95 dBm     | +/-2dB    |
|                              | MCS2     | 23 dBm  | +/-2dB    |                        | MCS2     | -92 dBm     | +/-2dB    |
|                              | MCS3     | 23 dBm  | +/-2dB    |                        | MCS3     | -90 dBm     | +/-2dB    |
|                              | MCS4     | 22 dBm  | +/-2dB    |                        | MCS4     | -86 dBm     | +/-2dB    |
|                              | MCS5     | 20 dBm  | +/-2dB    |                        | MCS5     | -83 dBm     | +/-2dB    |
|                              | MCS6     | 19 dBm  | +/-2dB    |                        | MCS6     | -77 dBm     | +/-2dB    |
|                              | MCS7     | 18 dBm  | +/-2dB    |                        | MCS7     | -74 dBm     | +/-2dB    |
|                              | MCS8     | 23 dBm  | +/-2dB    |                        | MCS8     | -95 dBm     | +/-2dB    |
|                              | MCS9     | 23 dBm  | +/-2dB    |                        | MCS9     | -93 dBm     | +/-2dB    |
|                              | MCS10    | 23 dBm  | +/-2dB    |                        | MCS10    | -90 dBm     | +/-2dB    |
|                              | MCS11    | 23 dBm  | +/-2dB    |                        | MCS11    | -87 dBm     | +/-2dB    |
|                              | MCS12    | 22 dBm  | +/-2dB    |                        | MCS12    | -84 dBm     | +/-2dB    |
|                              | MCS13    | 20 dBm  | +/-2dB    |                        | MCS13    | -79 dBm     | +/-2dB    |
|                              | MCS14    | 19 dBm  | +/-2dB    |                        | MCS14    | -78 dBm     | +/-2dB    |
| MCS15                        | 18 dBm   | +/-2dB  | MCS15     | -75 dBm                | +/-2dB   |             |           |

### PHYSICAL / ELECTRICAL / ENVIRONMENTAL

|                           |  |
|---------------------------|--|
| Enclosure Size            | 241x326x326 mm                                       |
| Weight                    | 135g (feed), 680g(bracket),610g(dish)                |
| Enclosure Characteristics | Outdoor UV Stabilized Plastic                        |
| Mounting Kit              | Pole Mounting Kit included                           |
| Max Power Consumption     | 5.5 Watts  |
| Power Supply              | 24V Carrier POE Adapter Included (POE-24)            |
| Power Method              | Passive Power over Ethernet (pairs 4,5+; 7,8 return) |
| Operating Temperature     | -30C to 75C  |
| Operating Humidity        | 5 to 95% Condensing                                  |
| Shock and Vibration       | ETSI300-019-1.4                                      |
| Antenna Gain              | 25dBi (NBM5-25) or 22dBi                             |

### ANTENNA INFORMATION

