

## High-end: 5band 3G / 4G versterker

Art. nr: SW-AR-001

- Frequency: 800/900/1800/2100/2600Mhz

### The amplifier includes:

- AGC on uplink and downlink.
- **Amplifier automatically shuts down when no up-link signal present. This reduces heat generation.**



### Frequency Specifications:

|                                      |                                                                          |
|--------------------------------------|--------------------------------------------------------------------------|
| Frequency bands(Mhz):                | (791 - 862MHz)+(880-960MHz)+(1710-1880MHz)+(1.92-2.17GHz)+(2500-2690MHz) |
| Gain:                                | Uplink Gp > 12dB    Downlink    Gp> 14dB                                 |
| Pass band ripple:                    | < 2dB                                                                    |
| I/O impedance:                       | 50 ohm/N connector                                                       |
| Max uplink/downlink signal strength: |                                                                          |
| -Multiple radio cards                | 24dBm / -25dBm                                                           |
| -Single Radio Card                   | 27dBm / -25dBm                                                           |
| Ambient Temperature:                 | -30 °C to +40 °C                                                         |
| Power supply input:                  | 110 - 240V AC                                                            |
| Power supply output:                 | 9-30VDC / 5A                                                             |
| Max power consumption                | 32W                                                                      |
| Oscillation Control                  | Automatic                                                                |
| Level Control:                       | Automatic*                                                               |
| Uplink Switch Off                    | Yes**                                                                    |
| AGC Range                            | 30db                                                                     |

### Power Supply Specification:

|                 |             |                                                 |
|-----------------|-------------|-------------------------------------------------|
| AC              | 100-240V    | 50-60Hz                                         |
| DC input        | 9-30V       | 5A, single radio card, 7A multiple radio cards. |
| Max power usage | 72-84W max. |                                                 |

### Mechanical Specification:

|                   |                            |
|-------------------|----------------------------|
| Length            | 35cm                       |
| Width             | 30cm                       |
| Depth             | 3.5cm                      |
| Weight            | 2kg                        |
| Mounting          | 6 x 5mm holes for mounting |
| Radome Materials: | HDG Steel                  |

\* Automatically adjusts during installation. Thereafter, automatically adjusts for seasonal variation in pathloss between Base station and Outdoor Antenna.

\*\* **The uplink amplifiers switch off when the repeater is not in use, thus reducing the uplink noise to almost zero. When the repeater is in use (eg phone call being made), the uplink amplifier switches on for the duration of the call and a blue LED switches on indicating this is the case.**

**Note: Specifications subject to change without notice.**