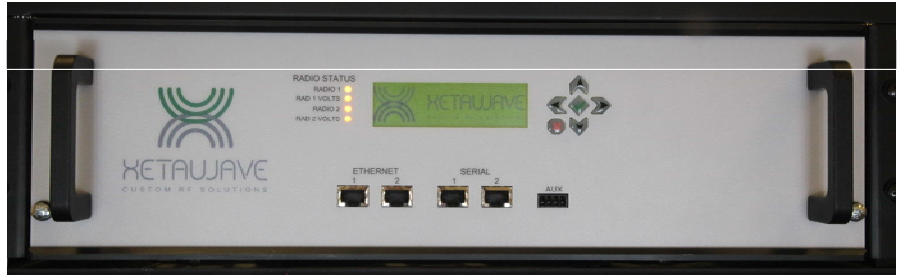


## Dual Radio High Availability Communications Station

### Hot Standby with Active Failover Capabilities

The XetaWave Communications Station (**XetaCS**) is a dual radio, high availability communication station. Built upon and incorporating the advanced technology of XetaWave's radio modules, the XetaCS continuously monitors both local and remote communication channels and enables a rapid hot standby switch over in the event of a systems communication interruption.

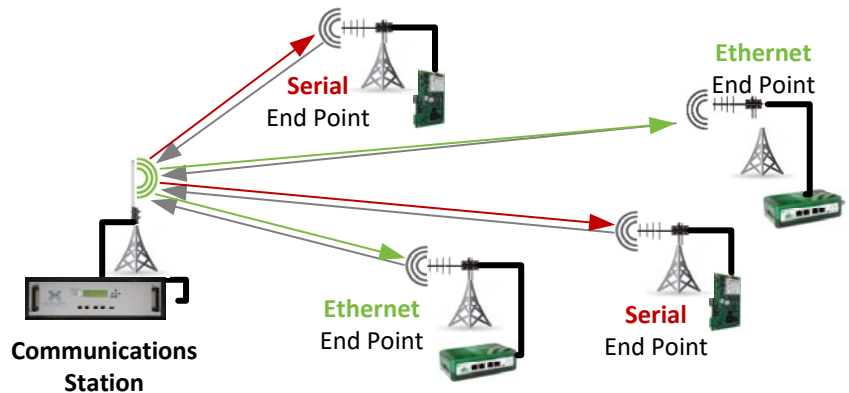


The **XetaCS** offers expanded functionality beyond a simple master station. The **XetaCS** enables hot standby reliability in all nodes of a radio network supporting normal Access Point (AP) operation plus Repeating End Point, (REP) and End Point (EP) operation. The XetaRCS is also compatible with all Xetawave products, both narrow band licensed and ISM, including 100 MHz - Xeta1, 200 MHz - Xeta2, 400 MHz - Xeta4, 700 MHz - Xeta7, Dual Band 900 MHz - Xeta9, and 2.4 GHz - Xeta24.

With FULL vlan Ethernet bridging support as well as legacy serial support, the XetaCS integrates easily into both existing and new XetaWave networks.

### Technology Differentiators

- The XetaWave communications station manager continuously monitors both local and remote connectivity to detect system wide communications interruptions.
- Configurable automatic, local manual and remote manual hot failover.
- Logging and front panel reporting of failure condition, control, and status.
- Web and network management reporting of failure condition, control and status.
- Passive Cooling (no fans).
- Rack mount or desktop operation.
- Dual power supply across a range of voltages.
- Hot swappable radios for continuous operation during maintenance.



The XetaWave Communications Station continuously monitors remote serial and Ethernet end points and routers, both upstream and downstream, and provides a rapid, hot standby to ensure reliable, continuous network operation.

The XetaCS is available for all XetaWave frequencies – 100 MHz, 200 MHz, 400 MHz, 700 MHz, 900 MHz, and 2.4 GHz.

## Technical Specifications

### General

Rackmount or desktop operation.

#### Rear Panel Connectors

- N type antenna connector
- N type dummy load connector (load supplied)
- Power supply inputs
- Chassis ground stud (1/4 x 20)

#### Front Panel Connectors

- 2 Ethernet Ports (10/100)
- 2 Serial Ports (1200-230.4kbps)
- 1 Alarm out
- 1pps input

#### Front Panel Display

244 x 68 Graphics (also 20 character x 4 line) backlit, yellow/green, positive image, transfective  
Integral illuminated control buttons. Can be read in bright sunlight.

### Power / Physical

Rear mounted, hot swappable power supplies with available input voltages as follows:

- 100-240 Volts AC
- 9-36 Volts DC
- 18-72 Volts DC
- 40-160 Volts DC

Width: 19"  
Height: 5.22" Tall (3U: 3 standard rack units)  
Length: 17" front panel to end of N connectors, 18.5" including front handles, 21" from end of RF load (mounted on rear) to front handles.

Weight: 21.5 LBS

### Band Supported

All XetaWave radios are supported including:

- |        |  |
|--------|--|
| Xeta1  | 136 – 174 MHz                          |
| Xeta2  | 217 – 222 MHz                          |
| Xeta4  | 406 - 430/450 – 470 MHz                |
| Xeta7  | 757 - 758 / 787 – 788 MHz              |
| Xeta9  | 902 - 928 MHz ISM<br>928 - 960 MHz MAS |
| Xeta24 | 2.402 -2.478 GHz                       |

### Environmental

Operating Temp Range -40°C to +65°C

Humidity 95% operating humidity @ 40°C non-condensing

### Contact

For more information or to schedule a demo, please contact us at **408-642-5458** or **sales@elevatewireless.com**



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XetaWave provides an industry leading 3 year warranty on its products.

All XetaWave radios are 100% designed, manufactured, and tested at its headquarters in Louisville, Colorado, USA.

