

Defender C-Band series

The global choice for protection and value

For geographic areas with diverse and dynamic weather conditions, virtually nothing offers greater value for the money than Enterprise Electronics Corporation's (EEC's) lineup of popular Defender Series C-Band weather radars. The first choice of weather services, national governments, broadcasters, and businesses around the world, our C-Band solutions are customizable for virtually every need.

Dual-polarization—the future is here today

All of our C-Band models are available with either EEC's industry-standard single-polarization, or with our new, highly advanced dual-polarization system.

Fully integrated into the Max Ecosystem and partnered with Max Storm, Defender's powerful twin beams can help zap your competition—and electrify your audience.

– Defender C250, CK250, C350

With the perfect balance of power and effective range, EEC's 250kW and 350kW C-Band radars are among the most popular in the world, and an ideal economical choice for customers with a diverse set of weather detection demands.

– Defender C500

Developed specifically for the most effective dual-polarization performance, this 500kW magnetron system is the radar for both today's needs and tomorrow's technology—delivering 250kW of power in both the horizontal and vertical plane.

– Defender C1000

The most powerful C-Band in use, with an incredible 1MW of power, the Defender C1000 is a top choice of local and national TV broadcasters looking for that extra edge in weather detection. Utilizing this powerful system combined with Max Storm, broadcasters can now better detect, depict and warn viewers of approaching severe weather while providing a dramatic and visually stunning data display.

The total package

Our turnkey design, manufacturing and installation processes allow us to configure your system to your exact specifications—and offer a comprehensive level of end-to-end support. You can even choose the installation and radome that best fits your environment. The Defender C-Band radar series make maximum use of existing civil works and structures. And they're self-lubricating, which can mean fewer expensive site visits by technicians.

Visit ibm.com/weather/industries/broadcast-media or reach us by email at weather@us.ibm.com.



Defender C-Band radar systems advantages

- Seamless integration with the Max Ecosystem
- Industry-standard single or dual-pol configurations
- Up to 1MW of power
- Higher resolution with more attenuation
- More-manageable size and weight versus S-Band
- Excellent balance of cost and performance

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