

SEAMLESS DATA FOR SOLAR: ADVANTECH & RADIOCRAFTS

Solar tracking with unmatched connectivity & durability.



SUB-GHZ RADIO MESH GATEWAY FOR SOLAR TRACKING

Solar installations demand rugged, scalable, and intelligent communications. The Advantech ECU-150 gateway combined with Radiocrafts' RIIM mesh network RF module delivers exactly that: industrial-grade edge intelligence with long-range, ultra-reliable wireless coverage. The mesh gateway forms a resilient backbone for solar operations, ensuring data flows seamlessly from the field to the cloud.

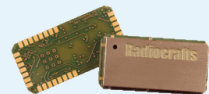
Higher uptime.
Faster insights.
Smarter tracking.

Advantech ECU-150 Compact, High-performance IoT Gateway



- NXP i.MX8M Quad Core Cortex A53 1.3G CPU
- The first NXP 64-bits ARMv8 processor
- Rugged design with industrial-grade IC, wide operating temperature range, and long MTBF
- Linux environment offers open platform
- Hardware self-healing: Independent Watch Dog Timer (WDT)
- VPN to set up security communication network

Radiocrafts RIIM Sub-GHz Wireless Network Module for Solar Tracking



- Connect up to a few thousand trackers per gateway
- Long-range, wide coverage even in areas of uneven terrain
- Efficient downlink communication to control trackers (EG: initiate safe position during high winds or hailstorms)
- Highly-reliable communication when several RIIM networks are operating in close proximity