

# Baliram Technologies (OPC) Pvt. Ltd.

Address: 2<sup>nd</sup> Floor, MCCIA Building, Near Bank of India,  
Hadapsar Industrial Estate, Pune - 411013, Maharashtra [INDIA]  
Website : [www.baliramtechnologies.com](http://www.baliramtechnologies.com)

**BALIRAM**  
TECHNOLOGIES PVT LTD

## WHITE PAPER

## 109W3914P003 / IS215WEPAH2BA - Wide Ethernet Processor Adapter (*Make-GE*) BTPL Product Code - BTPL-R09

### Product Details :

The IS215WEPAH2BA is a central processor / Ethernet communication card for GE Mark VI turbine control systems, used to process real-time turbine control algorithms and communicate data to HMI's and plant networks.

### Technical Specifications:

- **Manufacturer:** General Electric (GE)
- **Part Number:** IS215WEPAH2BA
- **Connectivity:** Typically has 2 × 10/100 Mbps Ethernet ports (RJ45 connectors).
- **Functional :** High-performance processor module providing central processing, real-time data handling, and Ethernet communication for the Mark VI controller
- **Product Series:** Mark VI / Mark VIe control system

### Application:

- Gas turbines, Steam turbines, Wind turbines, Hydro Turbine.
- Specifically,
- Acts as the main control processor in the Mark VI system.
  - Handles critical control logic and real-time processing.
  - Provides high-speed data communication between I/O boards and operator stations.
  - Supports integration with Distributed Control Systems (DCS).
  - Enables remote monitoring, diagnostics, and firmware upgrades.



can effortlessly perform visual tests, quickly identifying burnt components, damaged traces, or other visible signs of failure. Beyond the visual, we conduct comprehensive **functional tests** to ensure every aspect of your device is operating as intended.

**State-of-the-Art Test Setup** Our commitment to precision is reflected in our meticulously equipped test setup. We utilize only the best quality instruments.

- Accurate electrical measurements.
- LCR meters, Logic probes for digital circuit analysis.
- High End Oscilloscopes for visualizing electrical signals.
- Wide range of Function generators.
- Power supplies ranging from 3VDC to 300VDC and 110Vac to 3phase 230Vac for controlled testing environment.
- Premium soldering and desoldering stations for precise component work.
- We do test DUT (Device under test) with simulated and controlled environment.

**Uncompromising ESD Protection** Protecting your sensitive electronic components from electrostatic discharge (ESD) is paramount. At Baliram Technologies, we've implemented a robust ESD protection system throughout our lab. A full range of ESD-safe tools

**Established Spare Parts Supply Chain** We do have well established supply chain locally and abroad as well. We do have ready stock available at our Pune based facility.



## Empower Your Electronics with Baliram Technologies

At Baliram Technologies, we don't just fix electronics; we breathe new life into them. We understand the critical role your equipment plays, and our dedicated team is committed to providing **swift, precise, and reliable solutions** to keep your operations running smoothly.

**Expert Diagnostics & Troubleshooting** Our highly trained and experienced technicians excel at **fault finding and troubleshooting on component level**. We utilize a methodical approach, combining deep technical knowledge with state-of-the-art tools to quickly identify the root cause of any malfunction.

**Precision Visual & Functional Testing** Sometimes, the answer is right before our eyes. Our skilled staff

**Partner with Baliram Technologies and experience the difference that expertise, advanced technology, and a commitment to quality can make for your electronic systems.**