Multi-protocol IoT Gateway for Leading Energy Management Solution Provider

**BUSINESS REQUIREMENTS**
- Multiple wireless protocols on-board
- Wired connectivity, Data logging
- Remote login/ debugging

**OUR SOLUTIONS**
- Based on ARM processor, runs Linux
- Supports standard industrial serial protocol to gather data from field
- Ethernet and Wi-Fi connectivity, Options for BLE, ZigBee, 3G/4G modem using custom designed add-on-cards
- Supports faster and hassle free over-the-air software updates and remote debugging

**TOOLS/TECHNOLOGIES**
- Industrial communication protocol, Internet of Things
- OrCAD Capture, Allegro PCB designer, FCC/CE Certification
- 6 layer Stack-up, On-board PCB antenna, RF communication

**BUSINESS IMPACT**
- Existence of multiple wireless protocols helps to target several use cases
- Proven industrial communication protocol ensures data reliability over long distances
- Supports faster and hassle free over-the-air software updates and remote debugging

**SOLUTION OVERVIEW**

**About Us**
Happiest Minds, the Mindful IT Company, applies agile methodologies to enable digital transformation for enterprises and technology providers by delivering seamless customer experience, business efficiency and actionable insights. We leverage a spectrum of disruptive technologies such as: Big Data Analytics, AI & Cognitive Computing, Internet of Things, Cloud, Security, SDN-NFV, RPA, Blockchain, etc. Positioned as “Born Digital . Born Agile” our capabilities span across product engineering, digital business solutions, infrastructure management and security services. We deliver these services across industry sectors such as retail, consumer packaged goods, edutech, e-commerce, banking, insurance, hi-tech, engineering R&D, manufacturing, automotive and travel/hospitality/hospitality. Headquartered in Bangalore, India, Happiest Minds has operations in USA, UK, The Netherlands, Australia and Middle East.

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