Scope of Responsibilities/Expectations

A Senior Digital Hardware Engineer will be part of a world-class, highly motivated, highly skilled team of wireless system engineers who are committed to deliver carrier grade wireless equipment to customers in various verticals starting from WISP to Federal Governments. Candidate should be a firm believer of Cambiums mission, **Connecting the Un-Connected and Under-Connected**.

The candidate should have overall experience of 10+ years with most of this experience in Hardware Board Design, High Speed digital Interfaces and will be an individual contributor. He/She shall have the ability to

- Design, Develop and Test Digital Hardware sub system of Wireless Products.
- Should be able to create Schematic Design, BOM, and providing input to CAD layout teams.
- Work on the Board Bring up, DVT and work with contract manufacturers for Proto and production Builds.
- Work closely with Test labs for EMI/EMC Compliance and Regulatory Testing.

Specific Knowledge/Skills

- Must have strong knowledge of high-speed board design concepts including signal integrity theory and termination Strategies.
- Should be have used these Interfaces in the Hardware Design- Ethernet (MII, RGMII, SGMII) , DDR3/4,NAND, NOR ,SPI, I2C & UART, Surge Protection Methods for Indoor and Outdoor Products
- Experience in Power Supply Design (DC/DC , LDO, Isolated, Non-Isolated Designs)
- Experience in designing POE Circuits (802.3af/at compliant).
- Working Knowledge of FPGAs, pin planning, Power Budget Estimation
- Should have experience in Product DVT, Thermal analysis and Measurements for product.
- Experience in Design for EMI/EMC and proven experience in resolving EMI/EMC Issues.
- Experience in testing for of Regulatory standards (CISPR22, IEC 61000-4-x) for Telecom / Wireless products.
- Expertise in a schematic capture tools such as Cadence Design Entry and knowledge of Allegro PCB Design
- Hand on Experience in using high speed Digital Scopes, Power Supplies, processor JTAG debuggers and other lab equipment.
- Excellent communication skills
- Experience working both independently and in a team-oriented, collaborative environment is essential.

Qualification

- B.Tech/M.Tech/M.E in Electrical communication or related field from reputed institutions. Master’s degree preferred.