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(57) Abstract :  
 A parallel computing device utilizing Bluetooth Mesh comprises a Master Task Manager (1), multiple Worker Nodes (2), and Bluetooth Modules (3) to distribute and execute segmented computational tasks. The system features a Task Segmentation Module (1a), Task Execution Units (4), Feedback System (6), and Data Aggregator (7) for real-time performance and fault-tolerant task reallocation. The mesh topology supports low-power, scalable, decentralized processing without relying on internet connectivity, making it ideal for mobile and remote computing environments.

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