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#Embedded Systems #Real-Time Communication #Android Porting #Ubiquitous Computing #Embedded Customization

This content explores the critical areas of embedded and real-time communication systems, offering insights into their design and application. It further delves into the intricacies of Android porting, extending, and customizing these embedded platforms, alongside a comprehensive look at the evolving landscape of ubiquitous computing and its integration with embedded technologies.

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5 Essential Concepts
What are Embedded Systems?
1. GPIO - General-Purpose Input/Output
2. Interrupts
3. Timers
4. ADC - Analog to Digital Converters
5. Serial Interfaces - UART, SPI, I2C
Why not Arduino at first?
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PCB
Components
Conclusion

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What is an Operating System

Superloop Architecture
Task Priority
Superloops
Wireless Stack
Free RTOS
Arduino
Conclusion
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