

by discrete components, application specific integrated circuits, processors executing appropriate software and the like or any combination thereof.

What is claimed is:

1. An integrated circuit comprising:
 - an on-chip coil;
 - a radio frequency identification (RFID) transceiver section, coupled to the on-chip coil, that communicates RFID data with a remote RFID device via the on-chip coil;
 - a wireless telephone transceiver section coupled to communicate wireless telephony data with a remote wireless telephony device; and
 - a baseband processing module coupled to perform baseband processing to produce inbound data from an inbound symbol stream and to process outbound data to produce an outbound symbol stream, wherein the inbound data includes RFID data and wireless telephony data.
2. The integrated circuit of claim 1 wherein the outbound data includes RFID data and wireless telephony data.
3. The integrated circuit of claim 1 wherein the on-chip coil is coupled to transmit an RF power signal for powering the remote RFID device.
4. The integrated circuit of claim 1 wherein the baseband processing module produces RFID data and wireless telephony data contemporaneously.
5. The integrated circuit of claim 1 wherein the baseband processing module produces RFID data and wireless telephony data sequentially.
6. The integrated circuit of claim 1 further comprising:
 - a pico area network transceiver section coupled to communicate pico area network data with a remote pico area network device, wherein the inbound data further includes pico area network data.
7. The integrated circuit of claim 1 further comprising:
 - a wireless local area network (WLAN) transceiver section coupled to communicate WLAN data with a remote WLAN device, wherein the inbound data further includes WLAN data.
8. The integrated circuit of claim 1 wherein the wireless telephony data includes data in accordance with at least one of a cellular data protocol and a cellular voice protocol.
9. An integrated circuit comprising:
 - an on-chip coil;
 - a radio frequency identification (RFID) transceiver section, coupled to the on-chip coil, that communicates RFID data with a remote RFID device via the on-chip coil;
 - a pico area network transceiver section coupled to communicate pico area network data with a remote pico area network device;
 - a wireless local area network (WLAN) transceiver section coupled to communicate WLAN data with a remote WLAN device;
- a wireless telephone transceiver section coupled to communicate wireless telephony data with a remote wireless telephony device; and
- a baseband processing module coupled to perform baseband processing to produce inbound data from an inbound symbol stream and to process outbound data to produce an outbound symbol stream, wherein the inbound data includes RFID data, pico area network data, WLAN data and wireless telephony data.
10. The integrated circuit of claim 9 wherein the outbound data includes RFID data pico area network data, WLAN data and wireless telephony data.
11. The integrated circuit of claim 9 wherein the on-chip coil is coupled to transmit an RF power signal for powering the remote RFID device.
12. The integrated circuit of claim 9 wherein the baseband processing module produces at least two of RFID data, pico area network data, WLAN data and wireless telephony data contemporaneously.
13. The integrated circuit of claim 9 wherein the baseband processing module produces RFID data, pico area network data, WLAN data and wireless telephony data sequentially.
14. The integrated circuit of claim 9 wherein the wireless telephony data includes data in accordance with at least one of a cellular data protocol and a cellular voice protocol.
15. A method for use in an integrated circuit, the method comprising:
 - communicating RFID data with a remote RFID device via an on-chip coil;
 - communicating wireless telephony data with a remote wireless telephony device; and
 - baseband processing an inbound symbol stream to produce inbound data and to process outbound data to produce an outbound symbol stream, wherein the inbound data includes RFID data and wireless telephony data.
16. The method of claim 15 wherein the outbound data includes RFID data and wireless telephony data.
17. The method of claim 15 further comprising:
 - transmitting an RF power signal via the on-chip coil for powering the remote RFID device.
18. The integrated circuit of claim 15 wherein the baseband processing produces RFID data and wireless telephony data contemporaneously.
19. The method of claim 15 wherein the baseband processing produces RFID data and wireless telephony data sequentially.
20. The method of claim 15 further comprising:
 - communicating pico area network data with a remote pico area network device, wherein the inbound data further includes pico area network data.
21. The method of claim 15 further comprising:
 - communicating WLAN data with a remote WLAN device, wherein the inbound data further includes WLAN data.

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