Non-Volatile Real Time Counter AVR CPU RAM Peripherals Memory CIKPER CIKCPU CIKPER2 CIKPER4 USB 1924 Hz clkusa System Clock Prescalers Brown-out Watchdog Prescaler Detector Timer clksys CIKRTC System Clock Multiplexer (SCLKSEL) RTCSRC DIV32 DIV32 DIV4 0.4 - 16 MHz 32.768 kHz 32 MHz 2 MHz 32.768 kHz 32 kHz Int. OSC Int. Osc Int. Osc Int. ULP TOSC XTAL XTAL1 20MHz

Figure 7-1. The clock system, clock sources, and clock distribution.

