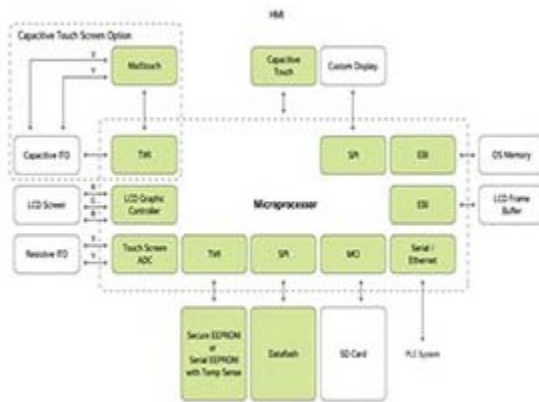


Hardware Security Products



- Supports high source and sink output IO capabilities up to 60mA for direct drive of LEDs.
- High-speed PWM units enable LED dimming and screen back lighting.
- Robust touch technology provides reduced wear and increased product lifetime. Due to its superior field penetration, Atmel Touch technology will operate through 6mm thick, non-conductive surfaces.
- The excellent signal-to-noise ratio of the touch technology makes the design immune to water, moisture, or dust and enables operators to use gloves.
- Capacitive touch eases design of full hermetic or sealed products, while power efficiency minimizes heat dissipation.
- Free Touch software library on the Atmel microcontroller lets designers avoid the cost of an additional component.
- The touch spread spectrum frequency implementation helps designers meet electro-magnetic emission requirements.
- The industrial microprocessor product portfolio with integrated LCD, combined with the Atmel QTouch technology, are the ideal candidates for your next control panel design.
- [The Atmel CryptoAuthentication family of hardware security devices provides cost effective solutions for authenticated and encrypted communications between HMI and industrial equipment.](#)