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Protection of Electronic Serial Number (ESN)

Each portable phone has a unique Electronic Serial Number (ESN) which is ensured by factory procedures. The ESN is stored in a Flash memory, which is permanently solder to the circuit board. The ESN is isolated from fraudulent contact and tampering by the physical packing of the phone and by the password scheme. The ESN contains other information, we use Cyclic coding and spreading of ESN bits over various non-sequential memory locations to verify the validity of the stored ESN.

A handwritten signature in black ink, appearing to read "Chien Ho".

Chien Ho
Staff Engineer
Acer Peripherals Inc.