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Terminal for payment

PIN Pad 4000



DA Sistemi Group

Product description



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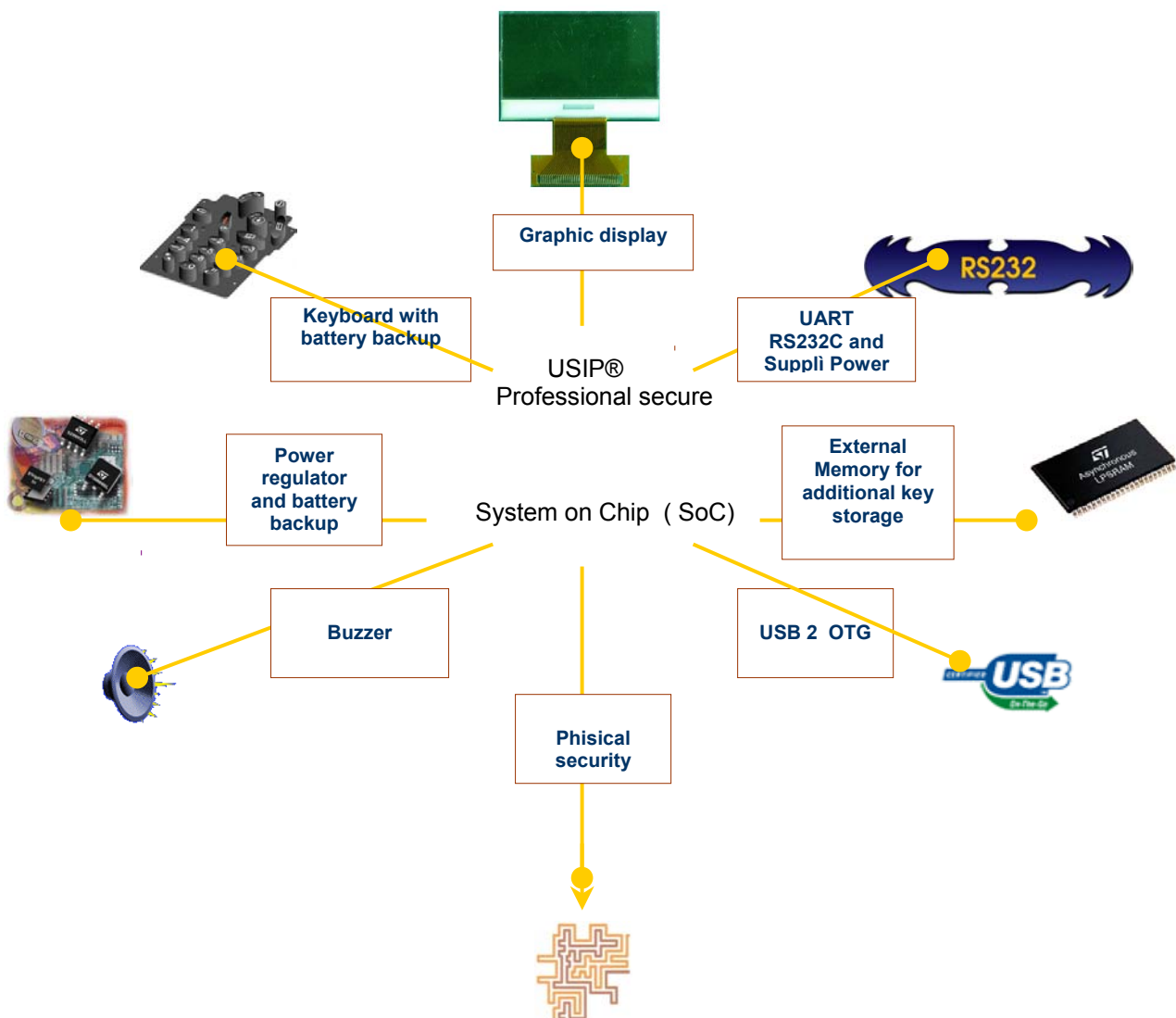
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1. Overview

PIN Pad 4000 is the newest DA Sistemi terminal. It is a small, lightweight, low power consuming and RoHS compliant device that allows digital communication with the EFT/POS terminal family Darwin, ZVT and next generation. PIN Pad 4000 is optimised for lowest possible cost solution for medium to high volume application. The terminal is PCI Standards compliant.

2. General product description



3. Summary

Microprocessor	<ul style="list-style-type: none"> • USIP® Professional secure System on Chip (SoC) <ul style="list-style-type: none"> ○ 32-bit RISC processor (MIPS32® 4KSd) from MIPS® Technologies. ○ 1.35 MIPS/MHz (Dhystone) / 129.6 MIPS at 96MHz
Memories	<ul style="list-style-type: none"> • Embedded Memories: <ul style="list-style-type: none"> ○ SRAM: 128 KBytes ○ ROM: 128 KBytes ○ FLASH: 256 KBytes with locked features ○ OTP: 256 Bytes • External Memories: <ul style="list-style-type: none"> ○ SRAM 512Kbyte
Physical Security	<ul style="list-style-type: none"> • Unique chip Serial Number (USN) • USIP® Crypto Interface (UCI) • Efficient on-the-fly encryption of memories based on the NIST FIPS-197 Standard AES • Firewall for USB Access • Protected Storage Area • Physical countermeasures: <ul style="list-style-type: none"> • Anti Tamper protection • Internal sensors (voltage, frequency, temperature, active metal shield) • External sensors • True Random Number Generator: NIST and DIEHARD tests passed • AES crypto processor
Logical Security	<ul style="list-style-type: none"> • Master Key/Session Key • Unique Key for Equipement • Unique Key for Session • 3DES, MAC
Certifications	<ul style="list-style-type: none"> • <i>PCI Stand Alone</i> • PCI or VISAPED according to the security level of the POS connected
Keyboard	<ul style="list-style-type: none"> • Rubber Keyboard - No Backlight (15 Keys) <ul style="list-style-type: none"> ○ 10 Numeric ○ Arrows (2) ○ Confirm, Clear, Cancel
Display	<ul style="list-style-type: none"> • 128 x 64 STN Positive reflective LCD • No Backlight • Viewing Angle 6 o'clock direction
Communication	<ul style="list-style-type: none"> • RS232 interface baud rate 115.2 Kbps at standard EIA/TIA-232 and V.28/V.24 (TX, RX, CTS, RTS)
Sound	<ul style="list-style-type: none"> • Monophonic Buzzer
Power Supply	<ul style="list-style-type: none"> • Nominal operating voltage 8 V • Operating voltage range 4,5 V ÷ 12 V
Dimension	<ul style="list-style-type: none"> • 130mm x 68mm x 24mm (LxWxH)
Temperature Range	<ul style="list-style-type: none"> • Temperature in normal functional conditions + 0° C ÷ +50°C • Temperature in storage conditions -20°C ÷ 80°C
Options	<ul style="list-style-type: none"> • USB OTG USB 2.0 full-speed / low-speed (12Mb/s / 1.5Mb/s)
Compatibility	<ul style="list-style-type: none"> • Darwin • ZVT3000 • Next generation of terminals