SmartSL Series U7-100 PRODUCT BROCHURE

Ultra-Slim System with Intel® Celeron® N2807 CPU, 4GB on-board memory, 2x GbE, 1x USB3.0/2.0, 4x USB2.01x HDMI

Part number: U7-100

Features

- Rich I/O design:
  2 x Mini-PCIe with USIM socket
  1 x mSATA socket
  16-bit programmable GPIO
  2 x GbE
  1 x USB3.0 / 2.0, 4 x USB2.0
  1 x UART
- Wide Range DC Voltage Input: 9V~32V
- 3rd Gen. Intel® Atom™ Processor, Celeron® Processor Bay Trail platform
- Dimension: 160 x 88mm x 19.7mm

SmartSL Series U7-100

VETRON presents a series of extremely lean, fanless industrial computers. The versatility of the products is a real asset, as the use of Qseven CPU modules provides high flexibility in processor performance and Qseven features such as memory, etc.
The devices are based on the Bay Trail architecture from Intel. Thanks to Qseven-Modultechnik, the interface configuration can also be individually tailored to the requirements of the customers and their application - even with small quantities. 1 x USB 2.0, 1 x RS-232, 1 x DP, 2 x Gigabit Ethernet and 1 x audio (line-out) / MIC are standard features. There are also two slots for full-size PCI Express mini cards.

With dimensions of 160 x 88 x 19 mm, the SmartSL U7-100 series is about the size of a smartphone, providing a compact solution for factory automation (industrial 4.0), machine control and embedded applications. The devices require a supply voltage between 9 V dc and 32 V dc (± 5%) and can be used at temperatures from 0 ° C to + 50 ° C.

System

CPU	Intel® Celeron® N2807 Dual Core 1.58GHz, L2 cache 1MB

* All product specifications are subject to change without notice

Email: sales@vetron.com.au
ABN: 21 141 474 017
Business number +61 (07) 3186 8825

Head Office: Unit 3, 25 Randall Street, Slacks Creek. Qld. 4127.

Intel® Atom® E3815 1.46GHz Single Core, L2 cache 512KB	
Chipset	SoC Integrated
BIOS	AMI Aptio® UEFI 2.x firmware
Graphics	Intel® HD Graphics
System Memory	Onboard 4Gb DDR3L
Storage	1 x mSATA
	2 x USIM slot
Watchdog Timer	Multistage watchdog
I/O	1 x USB 3.0, 4 x USB 2.0
	1 x RS-232
	1 x HDMI
	1 x 8-bit Isolation GPI
	1 x 8-bit Isolation GPO
	2 x GbE Ethernet
	1 x Audio (Line-out), 1 x MIC
	1 x Power Button
Expansion Slot	2 x full-size PCI Express Mini card (PCIe+USB+USIM)
Power Supply	DC Input 9V~32V±5%
Dimensions	173mm x 88mm x 19.7mm

Environmental

Operating Temperature	0°C ~ +50°C
Storage Temperature	-45°C ~ +85°C
Operating Humidity	10% - 90% (non-condensing)
Storage Humidity	5% - 95% (non-condensing)
Certificate	CE / FCC Class A
Optional OS Installation	Microsoft® Windows 8
	Microsoft® Windows 8 embedded
	Microsoft® Windows 7
	Microsoft® Windows 7 embedded compact
	Linux

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