

SC100 Smart Connect

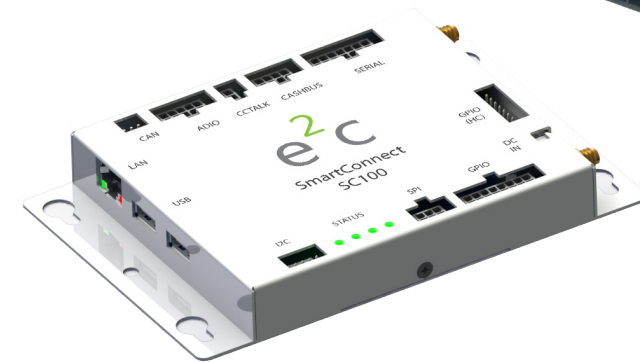
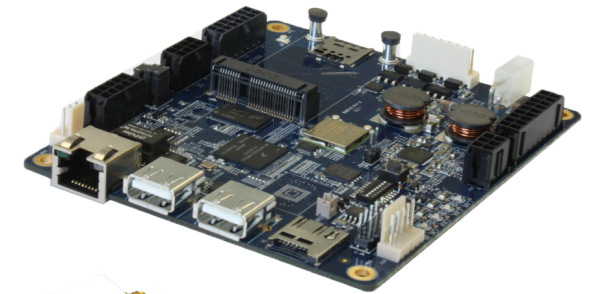


e2c's SmartConnect SC100 is a multi-function product intended for application in numerous vertical markets, including: retail, kiosk, smart vending, gaming and general IoT automation and control. SC100 combines e2c's smart IO control technology with a powerful 32 bit ARM processor (NXP i.MX6) to provide a standalone solution combining Linux operating system with fully featured smart hub features

SC100 is a ideal solution for emerging IoT applications, as it provides a full complement of networking interfaces, including: LAN, WiFi and 3G together with extensive IO

SC100 integrates e2c's powerful iSocket™ device middleware with integrated remote management. Everything that can be controlled by SC100 can be monitored and managed remotely.

With SAS 6.02 integrated in iSocket, SC100 is ideal for gaming system developers.



Key Features

- Fully featured all-in-one computing platform/smart hub/IoT gateway
- Single core Freescale i.MX6 UL processor
- Extensive connectivity including onboard WiFi, BTLE and 2.5G modem
- e2c iSocket middleware supports multi-industry peripherals and protocols
- Integrated IoT remote monitoring and server-side control
- Extensive GPIO and peripheral interfaces
- Cashbus Interface for cash handling peripherals (CCTalk and MDB)
- Multiple serial ports including RS232/RS485 with 9 bit support

Fully Featured multi-media IoT platform

- Freescale i.MX6 UL single core processor
- Extensive IO and series interfaces
- Full complement of connectivity interfaces

SC100 Smart Connect



Smart Hub Interfaces		ARM Computing Platform	
General Purpose IO		Model	SC100
Digital Inputs	8 + 3 bits TTL, ESD protected	Market/Positioning	Payment/Vending/Gaming/IoT
Digital Outputs	8 x 50ma + 3 x 3a open drain	CPU/APU/SOC	I.MX6 Ultra Lite
I2C	Yes (400 KHz max)	CPU (cores)	Single
CAN	Yes V2.0B	CPU core speed	528MHz
SPI	Yes (+2 chip selects)	TDP	<2W
1 Wire	Yes	mPCIe expansion	Full size (USB only)
Serial Interfaces		LAN1	10/00
TX/RX/CTS RS232	2	LAN2	--
TX/RX RS232/RS485	1	Onboard Modem	--
TX.RX RS232	1	SD card	Micro SD V3.0
CCTalk	1	USB 2.0	2 x USB Type A
MDB Master	1	2.5G/GPRS modem	--
MDB Slave	1	Wifi + BLE	--
9 bit support	Yes	Audio	--
General Functions	---	Video	--
SRAM	---		
EE memory	---	O/S + Middleware	
Audio	---		
Analog inputs	4 x 12 bit ADC	System power	12-48V DC @ 200mA
Security processor	E2c use only	Case (option)	Sheet metal + powder coat + mounting brackets
RNG	Yes	Dimensions	120 x 100 mm PCBA (106 x 162 x 20 mm in case)
Unique ID	32 bit	Thermal Management	Fanless/passive cooled
RTCC	Yes	RF connectors	U.FL (cable kit option RP-SMA)
Onboard Temp sensor	Yes		