

Subject to alterations



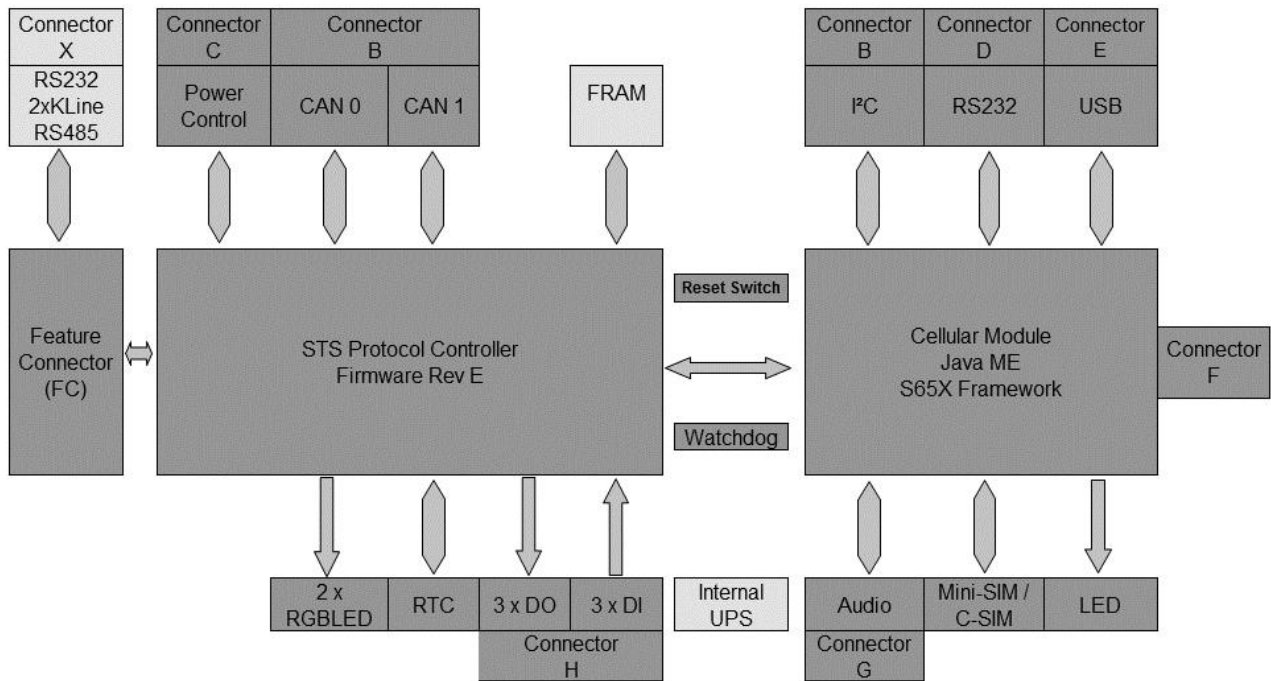
Pictures may differ from original product.

CommPro

The S5 CommPro characterises a high flexibility through the choice of the cellular radio options and the free programmability. Programming is simplified by using open source tools such as Eclipse or Netbeans, and by using sitec systems' S65X Framework, various software tools and training courses. The S5 CommPro is E1 and CE certified, and it forms the basis for many mobile applications.

There is a wide range of standard equipment, such as GSM/GPRS/UMTS/LTE, dual CAN, optically isolated digital inputs/outputs, RS232 interface, I²C and USB. This predestines the S5 for industrial applications and for the stationary sector. Additional, optional interfaces can be added if required using the internal Feature Connector (FC).

S5 Overview



Basic
Options

Subject to alterations

Product codes

S5240	GPRS, EDGE, GSM, 10 MB Flash, 5 MB RAM
S5300	UMTS, HSDPA, GPRS, EDGE, 10 MB Flash, 10 MB RAM
S5400	LTE, UMTS, HSPA+, GPRS, EDGE, 30 MB Flash, 18 MB RAM

Characteristics

GPRS, EDGE, GSM	<p>GSM 850/900/1800/1900 MHz EDGE Class 12 data rates, DL: max. 237 kbps, UL: max. 237 kbps GPRS Class 12 data rates, DL: max. 85.6 kbps, UL: max. 85.6 kbps CSD Data: up to 9.6 kbps V.110</p>
UMTS, HSPA+, GPRS, EDGE	<p>UMTS (WCDMA): 900/2100 MHz HSPA+ DL Cat.8 / UL Cat.6, Dual Carrier, DL: max. 7.2 Mbps, UL: max. 5.76 Mbps GSM 900/1800 MHz EDGE Class 12 data rates, DL: max. 237 kbps, UL: max. 237 kbps GPRS Class 12 data rates, DL: max. 85.6 kbps, UL: max. 85.6 kbps CSD Data: up to 9.6 kbps V.110</p>
LTE, UMTS, HSPA+, GPRS, EDGE	<p>LTE 700/800/900/1800/2100, CAT 1 unterstützt, DL: max. 10.2 Mbps, UL max. 5.2 Mbps UMTS (WCDMA): 900/2100 MHz HSPA+ DL Cat.8 / UL Cat.6, Dual Carrier, DL: max. 7.2 Mbps, UL: max. 5.76 Mbps GSM 900/1800 MHz EDGE Class 12 data rates, DL: max. 237 kbps, UL: max. 237 kbps GPRS Class 12 data rates, DL: max. 85.6 kbps, UL: max. 85.6 kbps CSD Daten: bis 9.6 kbps V.110</p>
General	<p>SMS Point-to-point MO & MT, cell broadcast, Text/PDU mode Fax Group 3, class 2 / class 1 Control via AT commands TCP/IP stack access via AT commands Internet services: TCP Server/Client, UDP, HTTP, FTP, SMTP, POP3 RLS Monitoring (Jamming Detection)</p>
SIM	<p>SIM 1.8 V, 3 V – Mini SIM or Component SIM</p>
Memory	<p>Up to 1,7 MB RAM and 8 MB Flash File System</p>
RS232	<p>RS232 4-wire Usable as application interface, as programming interface and for updates Connector D: 9 poles SUB-D (f)</p>
2 x CAN	<p>CAN 2.0B, 1Mbps 2 receive buffers with priority message stores 6 29-bit filter 2 29-bit masks Switchable terminator Connector B: Molex Micro-Fit 3.0, 2x4 pole</p>
I ² C	<p>I²C 400 kbps Line driver up to 15 meter cable length Connector B: Molex Micro-Fit 3.0, 2x4 pole</p>
DI/DO	<p>3 digital inputs, optical isolated 3 digital outputs, optical isolated Internal signal transmitter 4 KHz Connector H: Molex Micro-Fit 3.0, 2x6 pole</p>

Subject to alterations

LED	1 x GSM green (can be switched off) 2 x application RGB (programmable)
Protected key	Reset, on/off, factory default
Real Time Clock (RTC)	Buffered via accumulator or capacitor Holds time up to one year
Audio	Microphone and loudspeaker connection Basic hands-free operation Echo cancellation Noise reduction Connector G: RJ10 (4P4C)
USB	USB 2.0 full speed, 12 Mbps Connector E: USB Mini-B
Switch on via	Ignition input, RS232, USB, power supply, digital input, timer, button, CAN, FC add-ons
Power supply	5..42V DC (undervoltage protection: switch off at 6,8VDC / switch on at 8,6VDC) Optional: integrated accumulator Connector C: Molex Micro-Fit 3.0, 2x2 pole
Temperature range	Operation: -40°C to +75°C Switching of automatically at > 80°C Storage: -40°C to +85°C
Housing	Aluminium profile housing, black or aluminium colours Size: 105 x 60 x 25 mm Special designs upon request
Software / Driver	Hard- and software watchdog Update via air interface for firmware and application S65X Framework
Tests/certifications/compliance	E1 046047, CE EN 55022/9.98+A1/10.00 +A2/1.03; EN 55024/9.98+A1/10.01 +A2/1.03), RoHS FCC

Options

Accumulator	1.000..20.000 mAh charging connection with battery monitoring
FRAM	Up to 2048 kbit FRAM Non-volatile intermediate memory

Extensions

FC101	FC COMM 485	RS485, I ² C
FC102	FC COMM ETH	100 Mbit Ethernet
FC103	FC FDR 2	8x AI, 4x DI, 1x RS232
FC104	FC KLINE	2x KLine

Subject to alterations

Antennae and cables

KA001-1030	GSM antennae, dashboard	FAKRA 300cm cable
KA002-1030	GSM antennae, window	FAKRA 300cm cable
KA011-1003	GSM antennae, IP67	FAKRA 30cm cable
K0001-0000	4 poles cable	Molex, 4 poles → open ends, 150cm cable
K0002-0000	8 poles cable	Molex, 8 poles → open ends, 150cm cable
K0003-0000	12 poles cable	Molex, 12 poles → open ends, 150cm cable
KN001-0000	Power supply	Plug-in power supply, Molex, 4 poles, 150cm cable

Notes

Information and contact

Producer sitec systems GmbH
Ammonstraße 70
D-01067 Dresden

Service provider