

HARDWARE	
Component	Detailed Information
System Resource	
CPU	SM1670
Flash memory	16 MBytes (NOR)
RAM	(128+8192) KBytes
TS process bandwidth	Up to 96Mbps
Descrambler	32
PID filter	64
Maximum simultaneously descramble services number	16
Conditional Access System / Secure	
Embedded CAS	Viaccess ACS 5.0 and above
	Viaccess Secure
	Viaccess Black Box
Certification	Viaccess certificate to the hardware and software version
CI/CI+	CI
Smart card	1
Peripheral Interface	
PCMCIA	PCMCIA Type II
Smartcard reader	ISO7816 standard, Class A and Class B
Power Supply	
Operation voltage	4.5V ~ 5.5V
Operation current	<150mA
Power consumption	<750mW
Physical specification	
Size (L x W x H)	100 x 58 x 5(mm)(Stock)
Weight (net)	46g
Others	
Product Safety Certification	Compatible with CE, RoHS, REACH
Product Information	Buyer must be available the following information: - SN/CHIP ID information
SOFTWARE	
Component	Detailed Information
Features	Plug and Play
	CA Menu and Message, in agreement with "NTV-PLUS"
	DVB-CI standard ISO/IEC EN50221
	Support MPEG-2/MPEG-4/SD/HD/3D decryption
	Common descrambling algorithm of DVB, DVB-CSA1/2/3
	SmartCard pairing feature implemented
	Support virtual channels
Security	Support VIACCESS message
	Secure OTP, unique chipset ID, unique secret key
	Hardware DES, AES and Hash algorithm module
	Secure Boot for content integrity verification and signature validation
	Secure Loader for software upgrade, with encryption protection and signature validation
	Control Word Encryption
	Flash Data Encrypted
Secure PCB design, with BGA package chipset used	
VIACCESS Feature	Theme and Level subscription
	Class subscription
	Pre-booked subscription
	Maturity rating control
VIACCESS Message	Messaging with Russian Language support
	UTF-8 and UTF-16 little endian encoding
	256 characters (1024 bytes) for each message
	Maximum save 10 messages in CAM
Maturity Rating Management	Manually deleting selected or all messages
	Maturity rating range: 3~18
	Maximum number of unsuccessful pin code modification attempts per day: 3
	Maximum number of pin code modifications per day: 3
	"0000" pin code authorized for maturity rating.
	Over the air (OTA)

SW Upgrade	DVB SSU compliant (OTA update Loader compatible with DVB SSU standard)
System Language	Russian/English, use English as default
Operator System	eCos
STB modification	The software and hardware may be modified on Buyer's request only and need to get approval from Viaccess