


Modelo: M108CS	ESPECIFICACIONES TECNICAS	
Fecha: 2013		
Hojas 1 de 2		
Asunto	MULTIPLEXOR CON SCRAMBLER	

Main Features

- Multiplexing SPTS or MPTS into one MPTS (MPTS can be selected in whole or in part)
- Supporting DVB Common scrambling, and supporting the scrambling based on the service and component.
- Optional telecom output interfaces (DS3/E3)
- Multiplexing of the elementary stream and manual reconfiguration services. Two different elementary streams can be combined into a new service. The program with multi-audio can be decomposed into video service and audio broadcast. Data elements and video /audio program can be combined into application mode of TV and data interchange.
- Supporting random data insertion and IP data input (supporting MPE, Data Piping protocol)
- PSI/SI information analysis and editing function, input stream error warning.
- Recomposing program PID; Accurately examining the actual input bit rate of each PID.
- Transmitting private PID; Updating STB with STB-Loader in the net.
- Choosing whether to send any table of PSI/SI information.
- Buffer designing output, supporting bandwidth protection
- Low delay, the delay is less than 100ms for MPEG-2 program.
- PCR adjustment.
- Real-time monitor of every input status, supporting remote update, powerful and friendly human-machine control and monitor interface.
- Software Update: Flash hardware, RS-232 Ethernet (TCP/IP)
- Local monitor: buttons and LCD display screen; Remote monitor: Ethernet (TCP/IP) SNMP

M108CS is Communicate's third generation of embedded product which can multiplex 8 SPTS or MPTS into one MPTS with ASI output and optional telecom output interfaces (DS3/E3). Scrambling module is built inside and is able to perform DVB common scrambling (scrambling complies with the DVB simulcrypt standard).

Baseband signal and additional data's multiplexing accords with the ISO/IEC-13818 standard. The output interface of transmission multiplexer is ASI interface with DVB standard. Supporting the TCP / IP protocol, using RJ45 Ethernet interface.

M108CS has obtained CE certificate.



Input Interface		8 ASI (DVB standard ASI interface, BNC)
output Interface		4 ASI outputs in all : 2 multiplexing outputs and 2 multiplexing/scrambling outputs (scrambling or partial scrambling can be set)
Ethernet Interface		RJ45
Max Effective Data Rate		155Mbps / scrambling 58Mbps
Impedance of Input / output Interface		75Ω
Package Length of Input / output		188 or 204 bytes
PCR Precision		<100 ns
ASI Input Interface	Input Range	200~880 mV
	Output Range	800±80 mV
ASI output Interface Parameters	Rising Time	≤1200ps
	Descending Time	≤1200ps
	Fixing Jitter	≤10%
	PCR Jitter	-500~500ns
PCR	PCR Space Between	0~40ms
	PTS/PCR Delay	-500~1000 ms
PTS	PTS Space Between	0~700 ms