

6909-X



6909-X User Guide

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1. Product Overview

1.1 Product Presentation

TBS6909-X is a powerful DVB-S2X/S2 and annex M octa tuner card with PCI Express interface, it is capable of receiving SD/HD digital TV channels from 8 different satellite transponders simultaneously, which is considered as a professional TV tuner for industrial-level users. When you have limited PCIe slots in your server, TBS6909 enables you to receive more channels than the usual dual or quad TV tuner, thus it is highly recommended for IPTV streaming and broadcasting system.

1.2 Main Features

- Support Octa DVB-S/S2/S2X
- Fast scanning functionality for all media
- Support VCM, ACM, CCM, QPSK, 8PSK, 16APSK, 32APSK;
- Support wide band

1.3 Application scenario

- Data receiving
- IPTV streaming
- Media monitoring
- Digital content distribution

1.4 Maximum rate limit (Msymb / s)

Msymb/s	Demod	LDPC	4 simultaneous demodulators	6 simultaneous demodulators	8 simultaneous demodulators
QPSK	64	720	64	60	45
8PSK	64	720	60	45	30
16APSK	64	720	45	30	22.5
32APSK	51	720	36	24	18
64APSK	43	720	30	20	15

1.5 Product specifications

Model		TBS6909-X
Connection		PCI-express
		4x RF in
DVB-S/S2/S2X		
DVB-S/S2	QPSK	1/2, 3/5, 2/3, 3/4, 4/5, 5/6, 8/9, 9/10
	8PSK	3/5, 2/3, 3/4, 5/6, 8/9, 9/10
	16APSK	2/3, 3/4, 4/5, 5/6, 8/9, 9/10
	32APSK	3/4, 4/5, 5/6, 8/9, 9/10
DVB-S2X	QPSK	1/4,1/3, 2/5 (S2-MODCODs)
		1/2, 3/5, 2/3, 3/4, 4/5, 5/6
		8/9, 9/10 (S2-MODCODs)
		11/45, 4/15, 14/45, 7/15 8/15, 32/45
	8PSK	3/5, 2/3, 3/4, 5/6, 8/9 (S2-MODCODs)
		7/15, 8/15, 26/45, 32/45
	16APSK	2/3, 3/4, 4/5, 5/6, 8/9 (S2-MODCODs)
		7/15, 8/15, 26/45, 3/5, 32/45
	32APSK	2/3, 32/45
	VCM	
ACM		Yes
Power consumption		
Input/ Power:		12V/7~15W
temperature		0° ~ 60°
Other information:		
System Requirements		Windows XP / Vista/ 7/8/10, Linux
		Available PCI Express x1, x4, x8 or x16 slot
Dimension:		
TV tuner card size		145*92*1.6mm
Gift Box Size		200*130*30mm
Weight		400g
Package Contents		1* TBS6909-X
		1* Power cable