

Prague FS1030-DU3/4

MDTV Modular Development System for Paradiso family



Prague SDIO

APPLICATIONS

- Software development
- System integration
- Field trials
- Application demonstrations
- Chipset comparison

OVERVIEW

Prague is a highly-flexible multistandard MDTV system using plug-in Sparta daughter boards for the RF and baseband chipset, and a PC or similar device as the host processor.

Prague is designed for developing software to run the Paradiso family of MDTV receivers from host processors. Similar in form factor to the Paris board (which uses Paradiso 1 and T-DMB/DVB-H tuners), Prague uses the same Sparta baseband/tuner boards as the full-size Paraglide evaluation system. This results in maximum flexibility with minimum cost.

PART OF A FAMILY

For complete Paradiso evaluation, **Paraglide** offers the ultimate in features and flexibility, with copious extra ports, options and measurement capabilities. Paraglide is a more complex and complete modular design, allowing all combinations of Paradiso and tuner chipsets, also through **Sparta** plug-in daughterboards.

Paris has a similar form-factor to Prague, but with fixed onboard baseband (Paradiso 1) and tuner chips (Apollo T-DMB and Broadcom BC 2900 DVB-H).

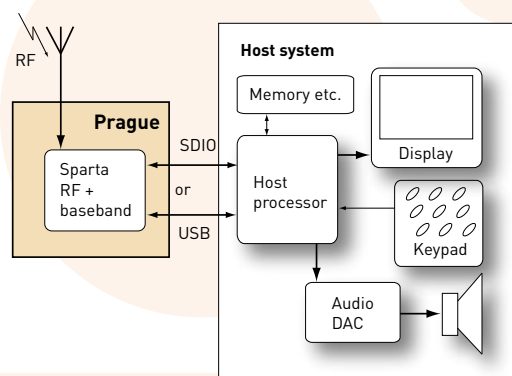
BUILD OPTIONS

Prague is supplied bare as standard. For a complete MDTV system, Prague should be ordered together with (a) particular Sparta board(s).

Prague SDIO	FS1030-DU3
Prague USB	FS1030-DU4

KEY FEATURES

- Uses Frontier Silicon's class-leading Paradiso family of multistandard mobile TV baseband and RF/baseband chips and SiPs
- Shares Sparta plug-in chipset daughter boards with the Paraglide evaluation system
- Sparta options include dual-band dual-mode configurations: Band 3, L-Band, multistandard DVB-H, T-DMB and DAB with dedicated antenna inputs
- Small and cost-effective
- Complete development system including:
 - Prague board with Sparta socket and support circuitry
 - Integral SDIO or USB connector to PC or other device
 - full documentation
 - Application software
 - Windows drivers
- powered through SDIO or USB interface
- Software upgradable
- Complete software package: multistandard decoder object code and reference PC utility source code. Host software allows full test and integration
- Supported by Frontier Silicon's global team of field application engineers



Application block diagram

Prague FS1030-DU3/4

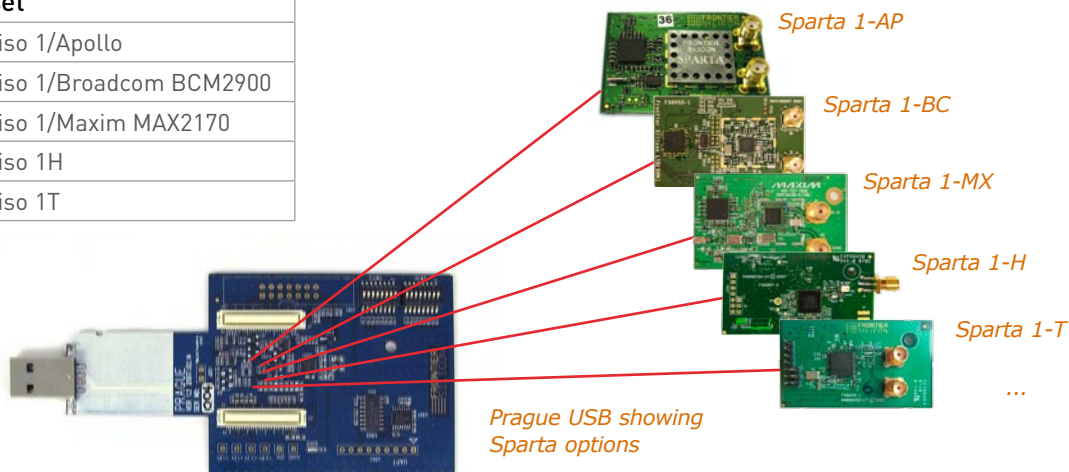
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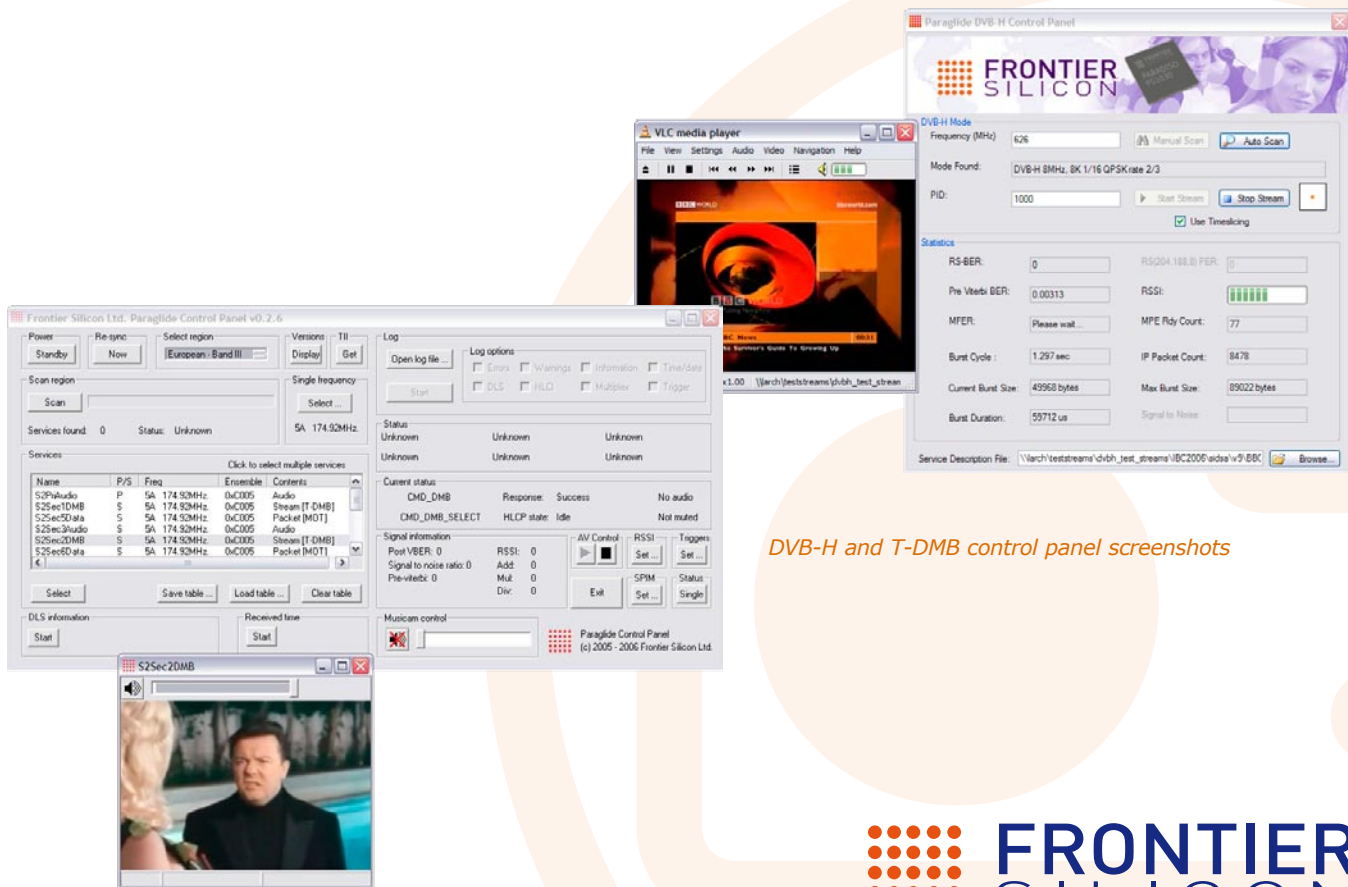
SPARTA DAUGHTER BOARD OPTIONS

The following Sparta daughter boards are currently available:

Board	Chipset	
Sparta1-	AP	Paradiso 1/Apollo
	BC	Paradiso 1/Broadcom BCM2900
	MX	Paradiso 1/Maxim MAX2170
	H	Paradiso 1H
	T	Paradiso 1T



Prague USB showing Sparta options



DVB-H and T-DMB control panel screenshots



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