

With Expressé® Software Release 2.1, ASSIA® continues to deliver innovation that enables service providers to optimize the performance of their DSL networks while minimizing the operational costs and maximizing subscriber satisfaction.

Key Release Features

- **Support for new DSL access technologies – Very-high-bitrate Digital Subscriber Line (VDSL) and Bonding**
- **Support for mixed technologies deployments enabling the service provider to manage its Asymmetric Digital Subscriber Line (ADSL), VDSL, and Bonding access in one single Expressé instance**
- **Performance and diagnostics improvements**
- **Reporting and graphical user interface enhancements**
- **Dynamic Spectrum Management (DSM) Level 2; first phase: Power Management**
- **Supplementary Digital Subscriber Line Access Multiplexer (DSLAM) and line card support out of the box**

DSL Access Technologies

ASSIA's Software Release 2.1 more than doubles the number of access technologies supported when compared with previous versions of Expressé, offering more deployment flexibility and new opportunities for service providers to optimize their DSL networks. See Table 1 for information regarding all ASSIA software releases to date.

	Expressé Release 1.13	Expressé Release 1.15	Expressé Release 2.1
ADSL (ITU G.992.1)	☑	☑	☑
ADSL over ISDN (ITU G.992.1 annex B)			☑
ADSL2 (ITU G.992.3)	☑	☑	☑
ADSL2+ (ITU G.992.5)	☑	☑	☑
Bonding (ITU G.998.x)			☑
VDSL (ITU G.993.1)			☑
VDSL2 (ITU G.993.2)			☑

TABLE 1.

Access technologies managed by Expressé Releases.

Performance and Scalability

With its massively parallel architecture, Expressé 2.1 delivers unequalled performance and scale which enables service providers to truly minimize their DSL network operational costs through proactive diagnostics and optimization.

- Demonstrated in networks of more than 15 million lines
- High-speed re-profiling up to 700,000 lines per hour
- Up to 25% faster network scanning than previous release for state-of-the-art pro-active diagnostics

Power Management with DSM Level 2: Reducing Energy Costs for Advancing Green Initiatives

By actively managing the power level used on and by each line (also known as “politeness”) in a DSLAM, Expressé 2.1 delivers optimal line performance in terms of speed and reach while reducing the overall power consumption of the entire transmission chain. As less power is used, chipsets dissipate less heat and require less air conditioning resulting in significant energy savings for DSLAMs and modems.

Proven Hardware Neutrality

Expressé 2.1 delivers consistent performances across multi-vendor equipment, enabling the service provider to diagnose and optimize its entire DSL network versus a single vendor segment.

Table 2 lists DSLAM and line cards that are currently supported by Expressé 2.1. This list is dynamic and will continuously expand as Expressé is deployed at new service provider locations and interfaces with additional DSLAM and network elements.

DSLAM Manufacturer	Model Name	Card Type
Adtran	TA3000	8-port ADSL, 16-port ADSL2+
	1100F/1200F	48 port ADSL/ADSL2+
	1148V / 1248V	
	TA5000	24-port Combo ADSL/ADSL2+,32-port Combo ADSL/ADSL2+,24-port Combo VDSL2
	1148/1248	48 port ADSL/ADSL2+
	1124/1224	48 port ADSL 1 only
AFC	Access Max	ADSL 4+6, ADSL 6+6H, ADSL2+ 6+6
Alcatel	ASAM C MINI-RAM	ABLT-D
	ASAM UD COMBO	ABLT- D
	ASAM 7300	
	ASAM 7300 UD	ADLT-L, ABLT-D
	ASAM 7300 HD	ADLT-M,ABLT-B
	ASAM 7301	ADLT-L, ADLT-S,ABLT-D
	ASAM 7301 UD/XD	ABLT-D (Annex A),ABLT-E (Annex A), ABLT-F (Annex B), ABLT-G (Annex B)
	ISAM 7302	EBLT-E,NALT-C,EBLT-J,EBLT-E,EBLT-A,NALT-B,EBLT-C
	ISAM 7330	EBLT-A,EBLT-J,NVLT-C,NVLT-D
Calix	Litespan	4-port POTS/ADSL ADLUD4FP
	C7	
	E5-1xx	
Ciena/Catena		2-ports POTS/ADSL
Cisco	6160	4-port 4xFLEXI, 8-port 8xDMT
ECI		LTBBA 16, LTBBA 16A,LTBBA 32,LTBBA 32A,LTBBA 64, LTBBA 64A,Annex B, Annex A
Ericsson	ECN330	EDN312XP
	EDN320	EDN312XP
	EDN312XP standalone	EDN312XP
Huawei	MA5300	H531EADL, H533EBDL, H538EADB/EBDL2
	MA5600	H561ADBF, H565ADBF,ADGE,H563ADEF, H565ADEF
	MA5600T	H805ADLF, H805ADPD
Lucent	Anymedia	LPA 833, MADSL16P, MADSL32-32P, MADSL2P32-32P
	Stinger FS	48-port Rev J/M, 48-port HB LIM Rev 11, STGR-LIM-AD-24, STGR-LIM-AD-48, STGR-LIM-AP 48-HB, 48-port HB LIM Rev 13
	Stinger FS+	STGR-LIM-AD-72, STGR-LIM-A2P72-HBI, STGR-LIM-A2P-72, 72 channel CT DMT ADSL ATM, 72 channel GSPN DMT ADSL ATM, 72 channel HS GSPN DMT ADSL ATM, 72 channel HIS GSPN DMT ADSL ATM, STGR-LIM-A2P-72-HB
	Stinger LS	STGR-LIM-AD-72, STGR-LIM-A2P72-HBI, STGR-LIM-AD-48, stngr-48a-adsI-card, STGR-LIM-A2P-72, 24-port Rev 4, 48-port Rev J/M, 48-port HB LIM Rev 11, 48-port HB LIM Rev 13
	Stinger MRT-19	48 port ADSL
	Stinger MRT2+	72 port ADSL 2+, MRT2U-AP-72-MODEL
	Stinger MRT2-19	72 port ADSL, MRT2U-AD-72S-56K-MODEL
	Stinger MRT	MRT-AD-36S
	Stinger MS+	STGR-LIM-AD-72, STGR-LIM-A2P72-HBI, STGR-LIM-A2P-72
	Stinger RT IP2100	24-port Rev 4, 48-port Rev J/M, 48-port HB LIM
Nokia-Siemens	hiX 5625	IU_SHDSL48; IU_ADSL72; VPLU72
	hiX 5630	IU_SHDSL48; IU_ADSL72; VPLU72
	hiX 5635	IU_SHDSL48; IU_ADSL72; VPLU72
OCCAM		
Siemens	UMX-1MS	card integrated with chassis (32P)
	UMX-2MS	SUADSL:32P
	UMX-4MS	SUADSL:32P
	UMX-4MSHD	SUADSL:64P, SUADSL:64PXA, SUSHDSL:16, SUSHDSL:32
	UMX-12MS	SUADSL:32P
	UMX-15MS	SUADSL:32P
	UMX-15MSHD	SUADSL:64P, SUADSL:64PXA, SUSHDSL:16, SUSHDSL:32
	XpressLink	SUADSL:16P
UTStarcom	UMC1000	
Zyxel	VEW1616FA-54	
	VEW1624CTA-54	
Zhone	MALC	

TABLE 2.

List of DSLAM and line cards supported by Express 2.1 at launch.

Interested in finding out how you can lower your network costs and optimize performance with ASSIA's Express 2.1 software release? Contact ASSIA today at +1.650.654.3400 or send an email to sales@assia-inc.com



333 Twin Dolphin Drive
Redwood City, CA 94065
Phone: +1-650-654-3400
Fax: +1-650-654-3404
www.assia-inc.com