



ALBEDO AT-2048 is the ultimate E1 tester designed in 2011 for field engineers that are installing, commissioning and troubleshooting voice / data E1 links, Synchronization Networks, Jitter/Wander, nx64 services, Datacom and Frame Relay circuits.

Market Analysis

ALBEDO AT-2048

	ALBEDO AT-2048	Sunrise Sunlite E1	JDSU E1 Smartclass	VeEX TX130/e+	VeEX TX50e	EXFO Puma 4000e	CTC HCT BERT/C	DADI BER-1560
Platform	<ul style="list-style-type: none"> • 210x110x60mm • 1,0 kg • 2xUSB, RJ45, SD • Results txt, pdf 	<ul style="list-style-type: none"> • 175x75x35mm • Weight: 0.5 kg • NO USB 	<ul style="list-style-type: none"> • 230x120x50mm • 1.0 kg • USB • Results xls/txt/pdf 	<ul style="list-style-type: none"> • 210x100x55mm • 1,0 kg • 2xUSB, RJ45 • Results txt • WiFi 	<ul style="list-style-type: none"> • USB 	<ul style="list-style-type: none"> • RS-232, PCMCIA 	<ul style="list-style-type: none"> • USB, RS-232 	<ul style="list-style-type: none"> • RS-232 • Ethernet
Batteries	<p>NiMH</p> <ul style="list-style-type: none"> • 5 h (1 pack) • 10 h (2 packs) <p>Lipo</p> <ul style="list-style-type: none"> • 11 h (1 pack) • 22 h (2 packs) 	<ul style="list-style-type: none"> • NimH AA • 4h (if transmitter is off !!) 	<ul style="list-style-type: none"> • NiMH • 2-5 h 	<ul style="list-style-type: none"> • Li Ion • 3 h 	<ul style="list-style-type: none"> • ? 	<ul style="list-style-type: none"> • ? 	<ul style="list-style-type: none"> • ? 	<ul style="list-style-type: none"> • ?
Remote Control	<ul style="list-style-type: none"> • Identical GUI by VNC- IP 	<ul style="list-style-type: none"> • NO 	<ul style="list-style-type: none"> • No remote cntl 	<ul style="list-style-type: none"> • Identical GUI by VNC- IP 	<ul style="list-style-type: none"> • Identical GUI by VNC- IP 	<ul style="list-style-type: none"> • NO 	<ul style="list-style-type: none"> • NO 	<ul style="list-style-type: none"> • NO
GUI	<ul style="list-style-type: none"> • 480 x 272 pix • Full Color 	<ul style="list-style-type: none"> • 122x32 pix • Black/White 	<ul style="list-style-type: none"> • 320 x 240 pix • Black/White 	<ul style="list-style-type: none"> • 320 x 240 pix • Full Color 	<ul style="list-style-type: none"> • 320 x 240 pix • Colors 	<ul style="list-style-type: none"> • ? 	<ul style="list-style-type: none"> • ? 	<ul style="list-style-type: none"> • 320 x 240 pix
Test Ports	<p>Double Port</p> <ul style="list-style-type: none"> • 1 balanced • 1 unbalanced (2xTX, 2xRX) • Input sensitivity -45 dB 	<p><u>Single Port</u></p> <ul style="list-style-type: none"> • 1 unbalanced or balanced (Optional) 	<p>Double Port</p> <ul style="list-style-type: none"> • 2 balanced (1xTX, 2xRX) 	<p>Double Port</p> <ul style="list-style-type: none"> • 2 balanced • 1 unbalanced (1xTX, 2xRX) 	<p>Double Port</p> <ul style="list-style-type: none"> • 2 balanced or unbalanced (1xTX, 2xRX) 	<p>Double Port</p> <ul style="list-style-type: none"> • 2 balanced and unbalanced (2xTX, 2xRX) 	<p>Double Port</p> <ul style="list-style-type: none"> • 1 balanced • 1 unbalanced (1xTX, 1xRX) 	<p>Double Port</p> <ul style="list-style-type: none"> • 1 balanced • 1 unbalanced (2xTX, 2xRX)
Datacom	<ul style="list-style-type: none"> • V.24/V.28 • X.21/V.11 • V.35 • V.36 • EIA-530 • Drop & insert datacom in E1 	<ul style="list-style-type: none"> • NO 	<ul style="list-style-type: none"> • V.24/V.28 • X.21/V.11 • V.35 • V.36 • EIA-530 	<ul style="list-style-type: none"> • X.21 • V.35 • V.36 	<ul style="list-style-type: none"> • NO 	<ul style="list-style-type: none"> • V.24/V.28 • X.21/V.11 • V.35 • V.36 • EIA-530 	<ul style="list-style-type: none"> • V.24/V.28 • X.21/V.11 • V.35 • V.36 • EIA-530 	<ul style="list-style-type: none"> • V.24/V.28 • X.21/V.11 • V.35 • V.36 • EIA-530
Datacom Cables	<ul style="list-style-type: none"> • Standard (CISCO) 	<ul style="list-style-type: none"> • NO 	<ul style="list-style-type: none"> • Proprietary 	<ul style="list-style-type: none"> • Proprietary 	<ul style="list-style-type: none"> • NO 	<ul style="list-style-type: none"> • Connectors to the chassis 	<ul style="list-style-type: none"> • Proprietary 	<ul style="list-style-type: none"> • Proprietary
Jitter	<ul style="list-style-type: none"> • J. generator • J. analysis • J. tolerance • J. transfer • Single wide jitter scale 	<ul style="list-style-type: none"> • NO 	<ul style="list-style-type: none"> • J. generator • J. amplitude • J. tolerance • J. transfer 	<ul style="list-style-type: none"> • J. generator • J. amplitude • J. tolerance • J. transfer 	<ul style="list-style-type: none"> • J. generator • J. amplitude • J. tolerance • J. transfer 	<ul style="list-style-type: none"> • J. generator • J. amplitude • J. tolerance 	<ul style="list-style-type: none"> • NO 	<ul style="list-style-type: none"> • J. amplitude
Wander	<ul style="list-style-type: none"> • Generation • Frequency offset • Frequency drift • TIE, MTIE, TDEV 	<ul style="list-style-type: none"> • NO 	<ul style="list-style-type: none"> • - 	<ul style="list-style-type: none"> • DS1 only 	<ul style="list-style-type: none"> • NO 	<ul style="list-style-type: none"> • NO 	<ul style="list-style-type: none"> • NO 	<ul style="list-style-type: none"> • NO

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	ALBEDO AT-2048	Sunrise Sunlite EI	JDSU EI Smartclass	VeEX TX130/e+	VeEX TX50e	EXFO Puma 4000e	CTC HCT BERT/C	DADI BER-I560
Pulse Shape	Yes	NO	Yes	Yes	Yes Oscilloscope	Yes	NO	Yes
Signalling	• CAS	• CAS	• CAS • MFC/R2	• ISDN PRI	• CAS	• CAS • DTMF/Pulse • ISDN PRI	• CAS • ISDN PRI	NO
Frame Relay	Yes	NO	Yes	NO	NO	Yes	NO	NO
Codir & Contradir	Yes	NO	Yes	NO	NO	Yes	NO	• Codirectional only (64 kb/s)
BER test	• G.821 • G.826 • M.2100	• G.821 • G.826 • M.2100	• G.821 • G.826 • M.2100	• G.821 • G.826 • M.2100 • M.2101	• G.821 • G.826 • M.2100	• G.821 • G.826 • M.2100	• G.821 • G.826 • M.2100	• G.821 • G.826 • M.2100
VF Testing	• Level and frequency test • Drop & insert tone • Drop & insert voice • Stereo to PCM Adapter	• Level and frequency test • Drop & insert tone • Drop & insert voice	• Level and frequency test • Drop & insert tone	• Level and frequency test • Drop & insert tone • Drop & insert voice	• Level and frequency test • Drop & insert tone (fixed freq. and level). • Drop & insert voice	• Level and frequency test. • Drop & insert tone. • Drop & insert voice	-	• Level and frequency test • Drop & insert voice
Ethernet testing	-	-	-	Yes	-	-	-	Ping test
Year of design	2011	2002	90's	2004	2001	90's	?	?
Made in	Europe	US	US	US	OEM Russia	Canada	China	China