

5.5
10-16-2009
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ene – Electronic Network Elements

Ene-a- Routers/Switches	
Manufacturer	Product
Alcatel-Lucent	Omni Switch/Router(Layer 3 Switch)
	7750 SR Service Router
	7450 ESS
	LCS 5010
Aztec Networks	5000 Emergency Stand Alone Switch
Brocade Communications ⁽⁷⁾	BigIron® RX Series, FastIron® SuperX/SX and Edge Switches, NetIron®, & ServIron®
Cisco Systems	7600 Series Routers: 7603, 7604, 7606, 7609, 7613 (Non-domestic listing expires on August 27, 2011.)
	ASR 1000 Series Routers: 1002, 1004, 1006 (Non-domestic listing expires on August 27, 2011.)
	Catalyst 3750 Metro Series (Non-domestic listing expires on August 27, 2011.)
	Carrier Routing System (CRS) domestic models: CRS8DC4GIG-CONFIG1 CRS8AC2GIG-CONFIG2 CRS4AC2GIG-CONFIG3
Dowslake Microsystems	CATS ____ (1000, 200, or 3000)
	MTS ____ (6000, 1080, 1928, 194, or 180)
	SMUX- ____ (GE, FE, or155) circuit emulation
ECI Telecom Ltd.	ST Series IP Service Edge Routers ⁽⁵⁾
Extreme Networks (Non-domestic listing expires on April 27, 2011.)	Black Diamond switches (20808, 12800R, 12804C, 10808, 8800)
	Summit switches (250e, 450a, 450e)
	ExtremeXOS® Network Operating System
Force10 Networks Systems	E-Series (E1200I, E600I and E300 Chassis)
	C-Series (C300 and C150 Chassis)
Force10 Networks Systems (Non-Domestic listing expires on May 31, 2011.)	S-Series 1RU (S25P, S25N, S25V, S50N and S50V- Ethernet Switches)
Juniper Networks (Non-domestic listing expires on June 30, 2011.)	E120 BSR
	EX Series switches (EX2500, EX3200, EX4200, EX8208, & EX8216)
	MX Series routers (MX240, MX480, & MX960)
	M7i, M10i, M40e, M120, M320 Multiservice Edge Routers
MRV Communications	OptiSwitch® (OS) 9000 Platform ⁽⁶⁾
	OptiSwitch® (OS) 900 Series

See notes on page 5.5.3.

<u>Ene-a- Routers/Switches</u> <u>(Continuation)</u>	
<u>Manufacturer</u>	<u>Product</u>
Nortel Networks (Non-domestic listing expires on March 3, 2011.)	ERS 5500
	ESU 1800
	ESU 1850
	MERS 8600
Redback	SmartEdge 400 & 800 Gateway/Router (With NetOp Policy Manager)
Riverstone Networks (Alcatel-Lucent)	Metro & Ethernet Edge Router Series ⁽¹⁾
Tellabs (Non-domestic listing expires on February 28, 2011.)	8800 MSR Series ⁽⁸⁾

<u>Ene-b- Headends/FO Amplifiers</u>	
<u>Manufacturer</u>	<u>Product</u>
Minerva Networks	Video Concentrator (VC) 8000 Platform ⁽⁴⁾
Conklin Intracom	fs cdn® Full-Service Content Delivery Network (Non-domestic listing expires on July 16, 2011.)
IPG Photonics	Erbium Doped Fiber Amplifiers (EDFAs) "EAR" series ⁽¹¹⁾

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Ene-c- Gateways/Controllers/Management Systems/Network Synchronization	
Manufacturer	Product
Acme Packet	Net-Net 4250 Session Director Session Border Controller
AllCity Wireless	WiDirect ⁽¹¹⁾
Cedar Point Communications	SAFARI C3™ Media Switching
Cisco Systems	Service Control Engine (SCE) 2000 and 8000 Series (Non-domestic listing expires on August 27, 2011.)
AudioCodes	Mediant Series: 600, 1000, 2000, 3000, and 8000 (Domestic acceptance for quantities up to 50 only) MediaPack: MP20x series, MP11x/MP124 series (Non-domestic listing expires on June 31, 2011.)
Bridgewater Systems (Non-domestic listing expires on August 25, 2011.)	Wireless Network Management System ⁽¹⁵⁾
Ditech Networks	PeerPoint C100 SBC
Fine Point Networks	ServPoet BMS Series ⁽³⁾ (Broadband Management Server)
Innovative Systems	AP & eLation ⁽¹⁰⁾
Juniper Networks (Non-Domestic listing expires on June 30, 2011.)	IDP (IDP50, IDP75, IDP200, IDP250, IDP600, IDP800, IDP1100, and IDP8200) Network and Security Manager
Lemko Corporation (Non-domestic listing expires on July 6, 2011.)	distributed Mobile Application for Rural Cellular™ (dMARC)
MegaSys® Computer Technologies	Telenium® Network Management System
Motorola	Access Service Network Gateway (ASN-GW) ⁽¹³⁾
NexTone Communications	MSX and SBC Platforms
Norscan	Cable Management System ⁽¹⁴⁾
Redback	SMS-500 and 1800 (Subscriber Management System)
Symmetricom	TimeCelsius 4500, TimeCreator 1000, SSU 2000, Time Hub 5500, TimeProvider 1000, TimeSource 3000 (TS-3000) & TimeSource 3500 (TS-3500)
Versatel Networks	EdgeIQ Platform ⁽²⁾
WiChorus	SmartCore™ Platforms ⁽³¹⁾ (designed for WiMAX)
Xangati (Non-domestic listing expires on February 23, 2011.)	Application Management 2.0

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Notes:

1. Includes the RS 1000/1100, RS 3000/3100/3200, RS 8000/8600, RS 38000, and Riverstone 15008, may use Management Center & Service Activator for these routers only.
2. Includes the IQ1500 and IQ4000 media gateways.
3. Includes the ServPoet BMS 200, 500, 800, & 1000.
4. Includes iTVMANAGER 2 middleware and RMS system.
5. Acceptance includes ST200, ST50, and the ShadeTree/LPS element manager.
6. Includes the OS9012C – 10Gx, OS9012 – M, OS9024 – 4C, OS9024FX – 4GC, OS9024 – M, OS904 series, OS904 series, OS906 series, OS910 series, OS912 series, OS930 10GE demarcation, and OS910-M Service Modular platform.
7. Includes BigIron® RX (BI-RX-4, BI-RX-8, & BI-RX-16), FastIron® SuperX/SX Family of Switches (FESX424, FESX448, FESX424HF, FI-SX1 thru 4, FI-SX800, & FI-SX1600), NetIron® Routers and Switches (NI-4802 Router, NI-M2404 Metro Access Switches, NI-MLX Metro Switching Routers, & NI-XMR Core Router), ServerIron Application Switches (SI350(-Plus), SI450(-Plus), & SI850(-Plus)), ServerIron XL Application Switches (FCSLB16 & FCSLB24), ServerIron 4G Applications Switches (SI-4G), ServerIronGT C Series Switches (SI-GT-CGx2, SI-GT-C2404CF, SI-GT-CGC16, & SI-GT-C10Gx2P), & ServerIronGT E Series Switches (SI-GT-E-Gx2, SI-GT-E-GC16, SI-GT-E-2404CF, SI-GT-E-Gx4P, SI-GT-E-GC16P, SI-GT-E-2404CFP, & SI-GT-E-10Gx2.)
8. Includes the 8830, 8840, 8860 routers.
9. Includes Smartcore SC 20 (2 Port), Smartcore SC 100 (10 Port), Smartcore SC 600 (6-slot carrier grade), Smartcore SC 1400 (14-slot carrier grade), WiChorus ASNGW, WiChorus HomeAgent, WiChorus MIG
10. RUS Acceptance includes AP and APMAX hardware.
11. Includes: 1RU EDFA, model EAR-PxN-Cx-(E)-(A)-(S)-(Dy)-Sa-1 RU(-R) and 2RU EDFA, model EAR-PxN-Cx-L-W-(E)-(A)-S-(Dy)-Sa-Su-2U(-23).
12. Includes: AWI 150 1.3, AWI 400 1.3, AWI 1000 1.3, AWI 2000 1.3, AWI CLI 1.3, AWI CLI4 1.3
13. Elements included: Motorola CAP-C, Brocade Switch (XMR4000/XMR8000), and Redback Router (SE100/SE400/SE800/SE1200).
14. Includes all line conditioning, monitoring, and locating equipment and software.
15. Includes Service Controller, Prepaid Integrator Module, Subscriber Data Broker™, and Policy Controller.