









	CA – Market Accep	lance	
Segment	Equipment Types	ATCA System Units 2007	
Wireless Access	BTS/Node B, BSC/RND, Transcoder	38%	
Wireless Edge	MSC, HLR, GGSN, SGSN/PDSN, Billing Server, Multimedia Server	50%	
Wireline Access	DSLAM, CMTS, MxU	1%	
Edge	Edge Router, Multiservice Switch, Optical Edge Device	3%	
New Access	Edge Media Gateway, Softswitch, Media Server	21%	
Core Transport	Core Router, SONET/SDH, ADM, WDM	Less than 1%	
Signaling	Signaling Server, STP, SCP	5%	



CompactPCI	VS.	A dvanced T	°CA ™
Attribute	PICMG2 / CPCI	PICMG2.16 / CPSB	PICMG3/ATCA
Board Size	6U x 160mm x .8" 57 sq in + 2 Mez	6U x 160mm x .8" 57 sq in + 2 Mez	8U* x 280mm x 1.2" 140 sq in +4 Mez
Board Power	35-50W	35-50W	150-200W
Backplane Bandwidth	~4Gb/s	-38Gb/s	~2.4Tb/s
# Active Boards	21	19	16
Power System	Central Converter 5, 12, 3.3V Backplane	Central Converter 5, 12, 3.3V Backplane	Distributed Converte Dual 48V Backplane
Management	OK	OK	Advanced
10	Limited	OK	Extensive
Clock, update, test bus	No	No	Yes
Regulatory conformance	Vendor specific	Vendor specific	In standard
Multi-vendor support	Extensive	Building	Anticipated in 2003
Base cost of shelf	Low	Low - Moderate	Moderate
Functional density of shelf	Low	Moderate	High
Lifecycle cost per function	High	Moderate	Low
Standard GA Schedule	1995	2001	2H2003







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VoIP H.323 - v4 - Annex MGCP - RFC 3435 - Packages MEGACO - RFC 3525 - IG v6 - Packages SIP - RFC 3261 - Extensions RTP RTCP	SSS7 MTP1/2/3 - Variants SCCP - Variants ISUP - Variants TCAP MAP - 2G/GSM/3G - IS41 / WIN CAP - Phase III INAP Broadband SS7 - MTP3B	Wireless 3G R99, R4, R5 - RANAP - RNSAP - GTP u/c/' - BSSAP+ - GMW/SM R99, R4 - RRC - RLC/MAC - NBAP - PDCP - FP GPRS - BSSGP - SNDCP - SNDCP - NS - LLC 2G	SIGTRAN SCTP - RFC2960 M3UA - RFC3332 M2UA - RFC 3331 IUA/DUA/V5UA - RFC3057 SUA - Draft 3	Broadband AAI2 - Q.2630.1 Q.SAAL Q93B CIP Legacy ISDN V5 Frame Relay		



