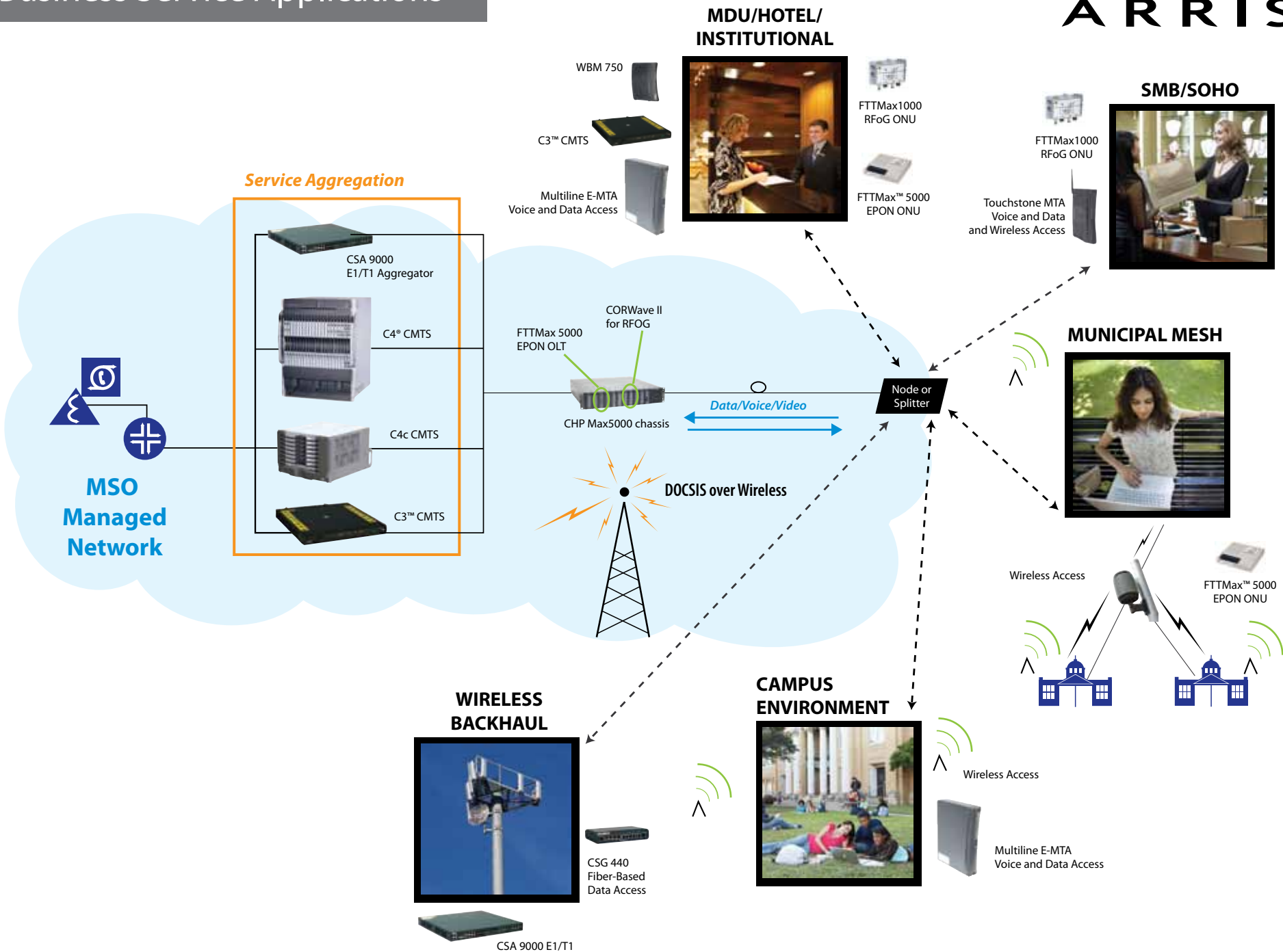


# Business Service Applications



**ARRIS BUSINESS SERVICES SOLUTIONS PORTFOLIO**

Business Services PRODUCT SOLUTIONS	CMTS		EMTAs & Wideband Data		Fiber To The Customer (DOCSIS)				Wireless Data		FMC
	Small CMTS	Medium/Large CMTS	EMTAs & Gateways	Wideband Modem	FTTMax RFoG	FTTMax EPON	Commercial Services Gateway	Commercial Services Aggregator	DOCSIS over Wireless	Wireless Access	Fixed Mobile Convergence
<b>VOICE</b>	X	X	X		X	X	X	X	-	X	X
<b>HS DATA</b>	X	X	X	X	X	X	X	X	-	X	X
<b>IP VIDEO</b>	-	-	-	X	-	X	X	X	-	-	X
<b>VPN / VLAN</b>	X	X	X	X	-	X	X	X	-	X	-
<b>MOBILITY</b>	-	-	X	X	-	-	-	-	-	X	X
<b>TRANSPORT</b>	-	-	-	X	X	X	X	X	X	X	-
<b>Primary Applications</b>	Data, Layer2/3 VPN, NCS & SIP Voice, T1/E1, DOCSIS over Wireless	DOCSIS 3.0 Wideband Data, 802.1Q VLAN, T1/E1, SIP & NCS Voice, DOCSIS over Wireless	Residential & Business IP voice and high speed data.	Transport, HS Internet Access, Streaming Media, IPTV	SMB Triple Play (including video) with traditional Cable Headend & Backoffice	Symmetrical Shared GbE connections. Cell Tower Backhaul	Pseudo Wire/CES TDM to Ethernet, and High Speed Data , VPN, E-LINE, E-LAN	Pseudo Wire/CES TDM to Ethernet, and High Speed Data , VPN, E-LINE, E-LAN , Metro Ring	HFC plant extension	Municipal Wireless mesh network, Wi-Fi Hot Spots, Wireless Plant Extension	Short distance physical bypass Cellular / Wi-Fi convergence
<b>Primary Technology</b>	PacketCable Multimedia/Euro-PacketCable Multimedia, DOCSIS/Euro-DOCSIS, 802.1Q	PacketCable/Euro-PacketCable, DOCSIS/Euro-DOCSIS, PCMM	DOCSIS & EuroDOCSIS 2.0 & 3.0 - PacketCable/Euro-PacketCable	DOCSIS 3.0 Channel Bonding	RF-over-Glass	Gigabit Ethernet PON	Ethernet, PWE/CES, MEF-9, Gigabit Ethernet	Ethernet, PWE/CES, MEF-9, Gigabit Ethernet, VPLS, MPLS, Routing IP	Automatic adaptive Modulation includes QPSK	Wi-Fi, Wi-MAX, Cellular, DOCSIS	Fixed Mobile Convergence
<b>Network Interface</b>	Fast/GigE DOCSIS/Euro-DOCSIS	Fast/GigE DOCSIS/Euro-DOCSIS	RF DOCSIS/Euro-DOCSIS	RF DOCSIS/Euro-DOCSIS	Optical SC/APC RF Spectrum including DOCSIS plus Analog & Digital Video	Optical SC/APC	Fast/GigE CWDM, Fiber SFP	Fast/GigE CWDM, Fiber SFP	Fast E	10/100BaseT Ethernet; Optical; DOCSIS	10/00BaseT Ethernet RJ45
<b>Subscriber Interface</b>	Not Applicable	Not Applicable	RJ11 or 21, 10/100 BaseT, wireless 802.11b/g	10/100/1000 BaseT	Coax "F" connector	100/1000BaseT RJ11 for voice	100/1000 BaseT/GigE , SFP	100/1000 BaseT/GigE , SFP	100/1000 BaseT/ USB	Wireless 802.11 b/g/n	RJ11, 10/100 BaseT, wireless 802.11b/g, GSM, CDMA
<b>Data Transmission Speed</b>	Up to: 42.88 Mbps down, 30.72 Mbps up	Up to: 160 Mbps down & 120 Mbps up	Up to: 42.88 Mbps down, 30.72 Mbps	DOCSIS: Up to 160 Mbps Dn & 120 Mbps Up. Euro-DOCSIS: Up to 168 Mbps Dn & 120 Mbps Up	DOCSIS 3.0 speed to 160 Mbps down, 120 Mbps up	Up to 1 Gbps up and down	Up to 4xE1/T1, 1.6Gigabit switching, 1GE uplink	Up to 8xT1/E1, 4Gigabit switching, 1 - 2 GE uplink	Up to: 42.88 Mbps down, 30.72 Mbps up	Up to 54 Mbps	Up to 54 Mbps



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