DSIM®

Digital Station Intelligence Manager

The ACI Digital Station Intelligence Manager (DSIM) is a next generation gain control module with comprehensive yet extremely cost effective local station diagnostics on board. In the DSIM AGC module the gain control function allows for any QAM or analog carrier from channels 52 to 142 to be selected as pilot or can be set to operate in the thermal AGC mode with 9, 18 and 27 dB of cable.

The DSIM controller is used to set the DSIM module's pilot channel and to change into the different operational modes during the amplifier setup. The bi-colored blue and red LED indicator's blinking patterns will denote the current optional mode setting.

The DSIM AGC modules are simple to use, reliable, power efficient, cost effective, and an augmentation to the OSP maintenance team's maximum uptime program. The ACI DSIM is the perfect choice for coaxial plant life extensions for the next decade of all-digital services.

ACI DSIM Features:

- DSIM is self-calibrating and auto aligning. Proper control loop levels are set internally by microcontroller. The tech is notified by LED indicator when alignment is complete
- Up to 40 days of data can be downloaded with either Windows, Apple or Android based products and contains enough detail and ease of readability to take the guesswork out of analysis.
- For aerial installations the DSIM may also be set into the thermal AGC mode with cable sections of 9, 18 and 27 dB.
- The on-board intelligence of the DSIM keeps the station gain on target even during abnormal events, such as loss of pilot and upon return from power outages. In the event that the pilot is lost the DSIM will change into the thermal AGC mode, and then once the pilot is recovered will automatically change back into the SPAGC mode of operation.
- 9 dB wide gain control range and 6 MHz center frequency bandwidth
- Pilot frequency settings can be reprogrammed as needed with the use of the key coded controller
- Pilot modulation types: QAM, NTSC analog or CW (set by controller)
- The DSIM AGC module furnishes the outside plant maintenance team with an on-board diagnostic tool set unprecedented in the industry. The DSIM status LED gives maintenance techs an immediate visual indication of the unit's:
  - AC power on (any status light)
  - 24 volt line status (low, high, ripple high)
  - Pilot tracking status (pilot in range, pilot lost)
  - Station temperature status (normal, hot)
  - Operational modes: (MGC, AGC, or TGC)
  - Pilot channel number in SPAGC mode
  - Upfront dB of cable setting in TGC mode

Automatic Gain Controllers

DSIM-A
Augat® ACI
SDA and ALX

DSIM-CJ
Arris®
FM601e-T/B

DSIM-MV
Philips®/Magnavox®
Diamond Type 1, 2, 3

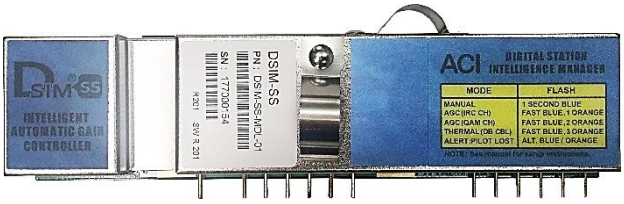
DSIM-SG
Cisco®/Scientific Atlanta® GainMaker

DSIM-CG
C-Cor®
6-LE97/98 LE/ Spectrum 2000

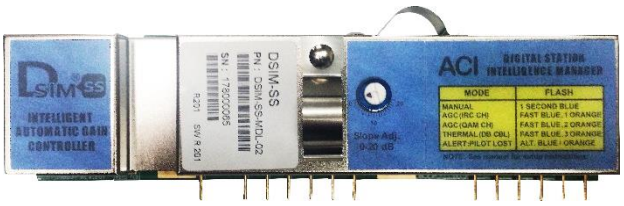
DSIM-AF
Antec®
FTMB-75 Series

DSIM-GI
Motorola®, BLE, MB, BT
Post 750-DH 6-pin

DSIM-JD
Jerrold® JLX Line
Extender 750-D/H 5-pin



DSIM-SS 01 (W/O EQ)
Cisco®/Scientific Atlanta®
System Amplifier II & III



DSIM-SS 02 (W/ EQ)
Cisco®/ Scientific Atlanta®
System Amplifier II & III

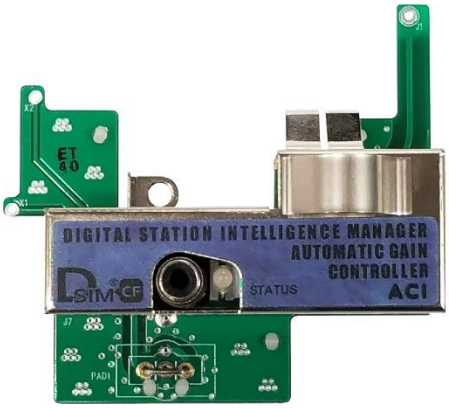
DSIM-SS 04 (W/O EQ)
Cisco®/Scientific Atlanta®
System Amplifier III LE 12VDC PWS

DSIM-CF Kit 01
C-Cor®
Flexnet FNT & FNB 700/800

DSIM-CF Kit 02
C-Cor®
Flexnet FNT & FNB 900
PN: FNB9ADJ-LD6GA1
PN: FNT95DJ-KB6K1A1

DSIM-CF Kit 03
C-Cor®
Navicor NL Series

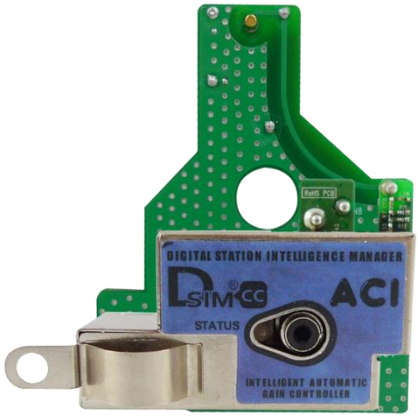
DSIM-CF Kit 04
C-Cor®
Flexnet FNB 900
PN: FNB9ADJT-KB6N6A1
PN: FNB96CL-KB6G6A1



DSIM-CF Kit 05
C-Cor®
Flexnet FNT 900
PN: FNT95DJT-KB6P6A1

DSIM-CF Kit 06
C-Cor®
Flex Max® 901e T/B

DSIM-CC Kit 01
C-Cor®
Flexnet E7 series LE



DSIM-CC Kit 02
C-Cor®
FlexMax 331e series LE

Digital Station Intelligence Manager (DSIM-A)				
PARAMETERS	CONDITIONS	UNITS	SPECIFICATION	NOTES
RF Specifications				
AGC mode operation				
Control type	Single pilot channel		Auto Gain Control	
Pilot channel frequency	NTSC channels		Fully Agile selection (Default at MGC mode)	Set by controller
Channel frequency bandwidth		MHz	6	
Pilot modulation type			QAM, NTSC analog or CW	Set by controller
Gain control Range	System compensation input change -6/+3 dB @ 1002 MHz	dB	9 (Max.)	
Gain Control Accuracy		dB	± 0.5	
Nominal Insertion loss	Loss @ 1002 MHz	dB	6.25	At room temp.
TGC mode operation				
Cable dB length Options	Embedded function	dB	9, 18 or 27 dB	
General Specifications				
Operating Power Supply				
Input Voltage	DC	Volt	24	Typical
Input Voltage range	DC	Volt	18 (Min.), 28 (Max.)	
Power Consumption		Watt.	3.0 (Max.)	
Current Draw		mA	86.0 (Max)	
Environmental and Mechanical				
Operating Temperature		ºF (ºC)	-40 to +140 (-40 to +60)	
Storage Temp.		ºF (ºC)	-40 to +185 (-40 to +85)	
Relative Humidity		RH	95%	No condensation
Dimension	(W x D x H)	In, (mm)	4.4 X 1.18 X 0.79 (112 x 30 x 20)	

Specifications: DSIM-GI
Motorola® GI, BT, MB and BLE (Post 750 D/H with 6 pins) Amplifiers

Digital Station Intelligence Manager (DSIM-GI)				
PARAMETERS	CONDITIONS	UNITS	SPECIFICATION	NOTES
RF Specifications				
AGC mode operation				
Control type	Single pilot channel		Auto Gain Control	
Pilot channel frequency	NTSC channels		Fully Agile selection (Default at MGC mode)	Set by controller
Channel frequency bandwidth		MHz	6	
Pilot modulation type			QAM, NTSC analog or CW	Set by controller
Gain control Range	System compensation input change -6/+3 dB @ 1002 MHz	dB	9 (Max.)	
Gain Control Accuracy		dB	± 0.5	
TGC mode operation				
Cable dB length Options	Embedded function	dB	9, 18 or 27 dB	
General Specifications				
Operating Power Supply				
Input Voltage	DC	Volt	24	Typical
Input Voltage range	DC	Volt	18 (Min.), 28 (Max.)	
Power Consumption		Watt.	3.0 (Max.)	
Current Draw		mA	71.0 (Max)	
Environmental and Mechanical				
Operating Temperature		ºF (ºC)	-40 to +140 (-40 to +60)	
Storage Temp.		ºF (ºC)	-40 to +185 (-40 to +85)	
Relative Humidity		RH	95%	No condensation
Dimension	(W x D x H)	In, (mm)	4.6 X 1.07 X 0.69 (116 x 27.2 x 17.5)	

Specifications: DSIM-JD
Jerrold® JLX Line Extenders and MB's (750 D/H with 5 pins) Amplifiers

Digital Station Intelligence Manager (DSIM-JD)				
PARAMETERS	CONDITIONS	UNITS	SPECIFICATION	NOTES
RF Specifications				
AGC mode operation				
Control type	Single pilot channel		Auto Gain Control	
Pilot channel frequency	NTSC channels		Fully Agile selection (Default at MGC mode)	Set by controller
Channel frequency bandwidth		MHz	6	
Pilot modulation type			QAM, NTSC analog or CW	Set by controller
Gain control Range	System compensation input change -6/+3 dB @ 1002 MHz	dB	9 (Max.)	
Gain Control Accuracy		dB	± 0.5	
TGC mode operation				
Cable dB length Options	Embedded function	dB	9, 18 or 27 dB	
General Specifications				
Operating Power Supply				
Input Voltage	DC	Volt	24	Typical
Input Voltage range	DC	Volt	18 (Min.), 28 (Max.)	
Power Consumption		Watt.	3.0 (Max.)	
Current Draw		mA	72.0 (Max)	
Environmental and Mechanical				
Operating Temperature		ºF (ºC)	-40 to +140 (-40 to +60)	
Storage Temp.		ºF (ºC)	-40 to +185 (-40 to +85)	
Relative Humidity		RH	95%	No condensation
Dimension	(W x D x H)	In, (mm)	4.6 X 1.07 X 0.69 (116 x 27.2 x 17.5)	

Specifications: DSIM-MV
Magnavox® GNA, TNA, Diamond Type 1, 2 and 3 Amplifiers

Digital Station Intelligence Manager (DSIM-MV)				
PARAMETERS	CONDITIONS	UNITS	SPECIFICATION	NOTES
RF Specifications				
AGC mode operation				
Control type	Single pilot channel		Auto Gain Control	
Pilot channel frequency	NTSC channels		Fully Agile selection (Default at MGC mode)	Set by controller
Channel frequency bandwidth		MHz	6	
Pilot modulation type			QAM, NTSC analog or CW	Set by controller
Gain control Range	System compensation input change -6/+3 dB @ 1002 MHz	dB	9 (Max.)	
Gain Control Accuracy		dB	± 0.5	
Nominal Insertion loss	@ 750 / 870 /1002 MHz	dB	1.0 / 1.1 / 1.2	At room temp.
TGC mode operation				
Cable dB length Options	Embedded function	dB	9, 18 or 27 dB	
General Specifications				
Operating Power Supply				
Input Voltage	DC	Volt	24	Typical
Input Voltage range	DC	Volt	18 (Min.), 28 (Max.)	
Power Consumption		Watt.	3.0 (Max.)	
Current Draw		mA	72.0 (Max)	
Environmental and Mechanical				
Operating Temperature		ºF (ºC)	-40 to +140 (-40 to +60)	
Storage Temp.		ºF (ºC)	-40 to +185 (-40 to +85)	
Relative Humidity		RH	95%	No condensation
Dimension	(W x D x H)	In, (mm)	2.0 X 2.9 X 0.53 (50.8 x 73.7 x 13.5)	

Specifications: DSIM-SG
Cisco®/Scientific Atlanta GainMaker® Amplifiers

			Digital Station Intelligence Manager (DSIM-SG)	
PARAMETERS	CONDITIONS	UNITS	SPECIFICATION	NOTES
RF Specifications				
AGC mode operation				
Control type	Single pilot channel		Auto Gain Control	
Pilot channel frequency	NTSC channels		Fully Agile selection (Default at MGC mode)	Set by controller
Channel frequency bandwidth		MHz	6	
Pilot modulation type			QAM, NTSC analog or CW	Set by controller
Gain control Range	System compensation input change -6/+3 dB @ 1002 MHz	dB	10 (Max.)	
Gain Control Accuracy		dB	± 0.5	
TGC mode operation				
Cable dB length Options	Embedded function	dB	9, 18 or 27 dB	
General Specifications				
Operating Power Supply				
Input Voltage	DC	Volt	15	Typical
Input Voltage range	DC	Volt	14 (Min.), 16 (Max.)	
Power Consumption		Watt.	3.0 (Max.)	
Current Draw		mA	110.0 (Max)	
Environmental and Mechanical				
Operating Temperature		ºF (ºC)	-40 to +140 (-40 to +60)	
Storage Temp.		ºF (ºC)	-40 to +185 (-40 to +85)	
Relative Humidity		RH	95%	No condensation
Dimension	(W x D x H)	In, (mm)	2.0 X 1.0 X 0.94 (50.8 x 25.4 x 23.9)	

Specifications: DSIM-SS 01 & 02
Cisco®/Scientific Atlanta System® Amplifiers

Digital Station Intelligence Manager (DSIM-SS)				
PARAMETERS	CONDITIONS	UNITS	SPECIFICATION	NOTES
RF Specifications				
AGC mode operation				
Control type	Single pilot channel		Auto Gain Control	
Pilot channel frequency	NTSC channels		Fully Agile selection (Default at MGC mode)	Set by controller
Channel frequency bandwidth		MHz	6	
Pilot modulation type			QAM, NTSC analog or CW	Set by controller
Gain control Range	System compensation input change -6/+4 dB @ 750 MHz	dB	9 (Max.)	
Gain Control Accuracy		dB	± 0.5	
Variable Equalizer		dB	0 -20	Optional (-02 Version)
Nominal Insertion loss	Loss @ 750 MHz	dB	7.0	At room temp.
TGC mode operation				
Cable dB length Options	Embedded function	dB	9, 18 or 27 dB	
General Specifications				
Operating Power Supply				
Input Voltage	DC	Volt	24	Typical
Input Voltage range	DC	Volt	18 (Min.), 28 (Max.)	
Power Consumption		Watt.	3.0 (Max.)	
Current Draw		mA	55.0 (Max)	
Environmental and Mechanical				
Operating Temperature		ºF (ºC)	-40 to +140 (-40 to +60)	
Storage Temp.		ºF (ºC)	-40 to +185 (-40 to +85)	
Relative Humidity		RH	95%	No condensation
Dimension	(W x D x H)	In, (mm)	5.4 X 0.55 X 1.33 (137.2 x 14.0 x 33.8)	

Specifications: DSIM-SS 04
Cisco®/Scientific Atlanta System® Amplifier III LE with 12 VDC Power Supply

Digital Station Intelligence Manager (DSIM-SS)				
PARAMETERS	CONDITIONS	UNITS	SPECIFICATION	NOTES
RF Specifications				
AGC mode operation				
Control type	Single pilot channel		Auto Gain Control	
Pilot channel frequency	NTSC channels		Fully Agile selection (Default at MGC mode)	Set by controller
Channel frequency bandwidth		MHz	6	
Pilot modulation type			QAM, NTSC analog or CW	Set by controller
Gain control Range	System compensation input change -6/+4 dB @ 750 MHz	dB	9 (Max.)	
Gain Control Accuracy		dB	± 0.5	
Variable Equalizer		dB	0 -20	)
Nominal Insertion loss	Loss @ 750 MHz	dB	8.0	At room temp.
TGC mode operation				
Cable dB length Options	Embedded function	dB	9, 18 or 27 dB	
General Specifications				
Operating Power Supply				
Input Voltage	DC	Volt	12	Typical
Input Voltage range	DC	Volt	10 (Min.), 14 (Max.)	
Power Consumption		Watt.	3.0 (Max.)	
Current Draw		mA	65.0 (Max)	
Environmental and Mechanical				
Operating Temperature		ºF (ºC)	-40 to +140 (-40 to +60)	
Storage Temp.		ºF (ºC)	-40 to +185 (-40 to +85)	
Relative Humidity		RH	95%	No condensation
Dimension	(W x D x H)	In, (mm)	5.4 X 0.55 X 1.33 (137.2 x 14.0 x 33.8)	

Specifications: DSIM-AF
Antec® FTMB-75 Series amplifiers

Digital Station Intelligence Manager (DSIM-AF)				
PARAMETERS	CONDITIONS	UNITS	SPECIFICATION	NOTES
RF Specifications				
AGC mode operation				
Control type	Single pilot channel		Auto Gain Control	
Pilot channel frequency	NTSC channels		Fully Agile selection (Default at MGC mode)	Set by controller
Channel frequency bandwidth		MHz	6	
Pilot modulation type			QAM, NTSC analog or CW	Set by controller
Gain control Range	System compensation input change -6/+3 dB @ 1002 MHz	dB	10 (Max.)	
Gain Control Accuracy		dB	± 0.5	
TGC mode operation				
Cable dB length Options	Embedded function	dB	9, 18 or 27 dB	
General Specifications				
Operating Power Supply				
Input Voltage	DC	Volt	24	Typical
Input Voltage range	DC	Volt	22 (Min.), 26 (Max.)	
Power Consumption		Watt.	3.0 (Max.)	
Current Draw		mA	43.0 (Max)	
Environmental and Mechanical				
Operating Temperature		ºF (ºC)	-40 to +140 (-40 to +60)	
Storage Temp.		ºF (ºC)	-40 to +185 (-40 to +85)	
Relative Humidity		RH	95%	No condensation
Dimension	(W x D x H)	In, (mm)	0.75 X 2.28 X 2.56 (19.1 x 57.9 x 65.0)	

Specifications: DSIM-CJ
Arris® FlexMax 601e Trunk and Bridger Amplifiers

Digital Station Intelligence Manager (DSIM-CJ)				
PARAMETERS	CONDITIONS	UNITS	SPECIFICATION	NOTES
RF Specifications				
AGC mode operation				
Control type	Single pilot channel		Auto Gain Control	
Pilot channel frequency	NTSC channels		Fully Agile selection (Default at MGC mode)	Set by controller
Channel frequency bandwidth		MHz	6	
Pilot modulation type			QAM, NTSC analog or CW	Set by controller
Gain control Range	System compensation input change -6/+3 dB @ 1002 MHz	dB	9 (Max.)	
Gain Control Accuracy		dB	± 0.5	
Nominal Insertion loss	@ 750 / 870 /1002 MHz	dB	1.0 / 1.1 / 1.2	At room temp.
TGC mode operation				
Cable dB length Options	Embedded function	dB	9, 18 or 27 dB	
General Specifications				
Operating Power Supply				
Input Voltage	DC	Volt	24	Typical
Input Voltage range	DC	Volt	18 (Min.), 28 (Max.)	
Power Consumption		Watt.	3.0 (Max.)	
Current Draw		mA	65.0 (Max)	
Environmental and Mechanical				
Operating Temperature		ºF (ºC)	-40 to +140 (-40 to +60)	
Storage Temp.		ºF (ºC)	-40 to +185 (-40 to +85)	
Relative Humidity		RH	95%	No condensation
Dimension	(W x D x H)	In, (mm)	2.0 X 2.9 X 0.53 (50.8 x 73.7 x 13.5)	

Specifications: DSIM-CG
Philips®/C-Cor® 6-LE97/98 LE or Spectrum 2000 Line Extender Amplifiers

			Digital Station Intelligence Manager (DSIM-CG)	
PARAMETERS	CONDITIONS	UNITS	SPECIFICATION	NOTES
RF Specifications				
AGC mode operation				
Control type	Single pilot channel		Auto Gain Control	
Pilot channel frequency	NTSC channels		Fully Agile selection (Default at MGC mode)	Set by controller
Channel frequency bandwidth		MHz	6	
Pilot modulation type			QAM, NTSC analog or CW	Set by controller
Gain control Range	System compensation input change -6/+3 dB @ 1002 MHz	dB	11 (Max.)	
Gain Control Accuracy		dB	± 0.5	
TGC mode operation				
Cable dB length Options	Embedded function	dB	9, 18 or 27 dB	
General Specifications				
Operating Power Supply				
Input Voltage	DC	Volt	24	Typical
Input Voltage range	DC	Volt	22 (Min.), 26 (Max.)	
Power Consumption		Watt.	3.0 (Max.)	
Current Draw		mA	47.0 (Max)	
Environmental and Mechanical				
Operating Temperature		ºF (ºC)	-40 to +140 (-40 to +60)	
Storage Temp.		ºF (ºC)	-40 to +185 (-40 to +85)	
Relative Humidity		RH	95%	No condensation
Dimension	(W x D x H)	In, (mm)	1.3 X 1.45 X 4.25 (76.2 x 36.6 x 108.0)	

Specifications: DSIM-CC
KIT 01: C-Cor® Flexnet E7 series LE Line Extender & MB-750D-H/40 750MHz Mini-Bridger Amplifiers
KIT 02: C-Cor® FlexMax 331e LE Line Extender

Digital Station Intelligence Manager (DSIM-CC)				
PARAMETERS	CONDITIONS	UNITS	SPECIFICATION	NOTES
RF Specifications				
AGC mode operation				
Control type	Single pilot channel		Auto Gain Control	
Pilot channel frequency	NTSC channels		Fully Agile selection (Default at MGC mode)	Set by controller
Channel frequency bandwidth		MHz	6	
Pilot modulation type			QAM, NTSC analog or CW	Set by controller
Gain control Range	System compensation input change -6/+3 dB @ 1002 MHz	dB	10 (Max.)	
Gain Control Accuracy		dB	± 0.5	
TGC mode operation				
Cable dB length Options	Embedded function	dB	9, 18 or 27 dB	
General Specifications				
Operating Power Supply				
Input Voltage	DC	Volt	24	Typical
Input Voltage range	DC	Volt	22 (Min.), 26 (Max.)	
Power Consumption		Watt.	3.0 (Max.)	
Current Draw		mA	43.0 (Max)	
Environmental and Mechanical				
Operating Temperature		ºF (ºC)	-40 to +140 (-40 to +60)	
Storage Temp.		ºF (ºC)	-40 to +185 (-40 to +85)	
Relative Humidity		RH	95%	No condensation
Dimension	(W x D x H)	In, (mm)	0.90 X 1.14 X 2.10 (22.9 x 29.0 x 53.3)	

Specifications: DSIM-CF
KIT 01: C-Cor® Flexnet FNT & FNB 700/800 Amplifiers
KIT 02: C-Cor® Flexnet FNT & FNB 900 PN: FNB9ADJ-LD6GA1& PN: FNT95DJ-KB6K1A1
KIT 03: C-Cor® Navicor NL Series
KIT 04: C-Cor® Flexnet FNB 900 PN: FNB9ADJT-KB6N6A1& PN: FNB96CL-KB6G6A1
KIT 05: C-Cor® Flexnet FNT 900 PN: FNT95DJT-KB6P6A1
KIT 06: C-Cor® Flex Max 901e Trunk / Bridger

Digital Station Intelligence Manager (DSIM-CF)				
PARAMETERS	CONDITIONS	UNITS	SPECIFICATION	NOTES
RF Specifications				
AGC mode operation				
Control type	Single pilot channel		Auto Gain Control	
Pilot channel frequency	NTSC channels		Fully Agile selection (Default at MGC mode)	Set by controller
Channel frequency bandwidth		MHz	6	
Pilot modulation type			QAM, NTSC analog or CW	Set by controller
Gain control Range	System compensation input change -6/+3 dB @ 1002 MHz	dB	10 (Max.)	
Gain Control Accuracy		dB	± 0.5	
TGC mode operation				
Cable dB length Options	Embedded function	dB	9, 18 or 27 dB	
General Specifications				
Operating Power Supply				
Input Voltage	DC	Volt	24	Typical
Input Voltage range	DC	Volt	22 (Min.), 26 (Max.)	
Power Consumption		Watt.	3.0 (Max.)	
Current Draw		mA	43.0 (Max)	
Environmental and Mechanical				
Operating Temperature		ºF (ºC)	-40 to +140 (-40 to +60)	
Storage Temp.		ºF (ºC)	-40 to +185 (-40 to +85)	
Relative Humidity		RH	95%	No condensation
Dimension	(W x D x H)	In, (mm)	1.0 X 0.97 X 2.35 (25.4 x 24.6 x 59.7)	

DSIM Amplifier Reference Vendor PN

DSIM-GI		
Amplifier Part Number	**Description**	**Amp Manufacturer**
BLE-75SH	Line Extender (LE) 750MHz	General Instrument
MB-75SH/15	Dual Hybrid Power Doubling Mini-Bridger (750MHz)	Next Level
MB-75SH	Dual Hybrid Power Doubling Mini-Bridger (750MHz)	General Instruments
MBS-75SH		
MB-75JH		
MBS-75JH		
BT-75-SH	Broadband Telecommunication Amplifier (Trunk) 750MHz	General Instruments
BT-75-JH		
BLE87	Line Extender (LE) 870MHz	Motorola
MB87	Dual Output Minibridger 870MHz	Motorola
BT87	Broadband Telecommunication Amplifier (Trunk) 870MHz	Motorola
BLE100	Line Extender (LE) 1002MHz	Motorola
BT100	Broadband Telecommunication Amplifier (Trunk) 1002MHz	Motorola
MB100	Minibridger 1002MHz	Motorola
DSIM-MV		
Amplifier Part Number	**Description**	**Amp Manufacturer**
6-GNA197	D Series Global Network Amplifiers (1 post Amp) 750MHz	Philips/Magnavox
6-GNA297	D Series Global Network Amplifiers (2 post Amp) 750MHz	
6-GNA397	D Series Global Network Amplifiers (3 post Amp) 750MHz	
6-GNA198	Spectrum 2000 Global Network Amplifiers (1 post Amp) 862MHz	Philips/Magnavox
6-GNA298	Spectrum 2000 Global Network Amplifiers (2 post Amp) 862MHz	
6-GNA398	Spectrum 2000 Global Network Amplifiers (3 post Amp) 862MHz	
6-TNA297	Trunk Network Amplifier 750MHz	Philips/Magnavox/ C-Cor
6-TNA397	Trunk Network Amplifier 750MHz	
6-T3A398	Type 1 Diamond Line Amplifier 870MHz	Philips/Magnavox/ C-Cor
6-G3A298	Type 2 Diamond Line Amplifier 870MHz	
8-G4A298	Type 2 Diamond Line Amplifier GaAs 870MHz	
6-MGNA498	Four-Output MigraForce Amplifier 870MHz	Philips
DSIM-SG		
Amplifier Part Number	**Description**	**Amp Manufacturer**
7006936	GainMaker High Gain Dual System Amplifier 1002MHz	SA/Cisco
7006586		
7014161		
7014162		
7006938	GainMaker High Gain Balanced Triple Amplifier 1002MHz	SA/Cisco
7006942		
7014163		
7014164		
7006939	GainMaker Unbalanced Triple System Amplifier 1002MHz	SA/Cisco
7006943		
7006937	GainMaker Low Gain Dual System Amplifier 1002MHz	SA/Cisco
7006941		
7006952	GainMaker Line Extender 1002MHz	SA/Cisco
7006590		

DSIM-SS -01 & 02 (24VDC)		
Amplifier Part Number	**Description**	**Amp Manufacturer**
511058	System Amplifier II Line Extender (LE) 750MHz	Scientific Atlanta
544461		
544900		
511052	System Amplifier II Low Gain Dual 750MHz	Scientific Atlanta
544457		
544899		
539321	System Amplifier II High Gain Dual 750MHz	Scientific Atlanta
544458		
544901		
511067	System Amplifier II Balanced Triple 750MHz	Scientific Atlanta
544459		
544903		
539327	System Amplifier II UnBalanced Triple 750MHz	Scientific Atlanta
544460		
544904		
542766	System Amplifier II High Gain UnBalanced Triple 750MHz	Scientific Atlanta
537120	System Amplifier II Quad 750MHz	Scientific Atlanta
544902		
88D165	System Amplifier III Line Extender 750MHz	Scientific Atlanta
587991		
590560		
570848		
570849		
88D106	System Amplifier III High Gain Dual 750MHz	Scientific Atlanta
592894		
588689	System Amplifier III Low Gain Dual 750MHz	Scientific Atlanta
590557	System Amplifier III Type 1 Unbalance Triple 750MHz	Scientific Atlanta
570846		
592895		
590558	System Amplifier III Type 2 750MHz	Scientific Atlanta
570847		
590559		
590561		
DSIM-SS -04 (12VDC)		
574754	System Amplifier III Line Extender with 12DC Power Supply	Scientific Atlanta
DSIM-JD		
Amplifier Part Number	**Description**	**Amp Manufacturer**
JLX-7-750P/LC/40	Line Extender (LE) 750MHz	Jerrold
MB-750D-H/40 (H-Type)	Dual Hybrid Power Doubling Mini-Bridger 750MHz	Jerrold
DSIM-AF		
Amplifier Part Number	**Description**	**Amp Manufacturer**
FTMB-75 Series	Mini-Bridger Amplifier	Antec

DSIM-CJ		
Amplifier Part Number	**Description**	**Amp Manufacturer**
Flex Max FM601e-T/B	Flex Max 601e Trunk and Bridger Amplifier	Arris
DSIM-CG		
Amplifier Part Number	**Description**	**Amp Manufacturer**
6-LE97/98 LE	Line Extender (LE)	Philips
Spectrum 2000	Line Extender (LE)	C-Cor
DSIM-CC KIT 01		
Amplifier Part Number	**Description**	**Amp Manufacturer**
Flexnet E7 series LE	Line Extender (LE) 750MHz with Linear power supply	C-Cor
MB-750D-H/40	Dual Hybrid Power Doubling 750MHz Mini-Bridger	General Instruments
DSIM-CC KIT 02		
Amplifier Part Number	**Description**	**Amp Manufacturer**
FlexMax 331e	Line Extender (LE)	C-Cor
DSIM-CF KIT 01		
Amplifier Part Number	**Description**	**Amp Manufacturer**
Flexnet FNT 700 series	Trunk Amplifier	C-Cor
Flexnet FNB 700 series	Bridger Amplifier	C-Cor
Flexnet FNT 800 series	Trunk Amplifier	C-Cor
Flexnet FNB 800 series	Bridger Amplifier	C-Cor
DSIM-CF KIT 02		
Amplifier Part Number	**Description**	**Amp Manufacturer**
Flexnet FNT 900 series	FNT95DJ-KB6K1A1	C-Cor
Flexnet FNB 900 series	FNB9ADJ-LD6GA1	C-Cor
DSIM-CF KIT 03		
Amplifier Part Number	**Description**	**Amp Manufacturer**
Navicor NL Series	Line Extender	C-Cor
DSIM-CF KIT 04		
Amplifier Part Number	**Description**	**Amp Manufacturer**
Flexnet FNB 900 series	FNB9ADJT-KB6N6A1	C-Cor
Flexnet FNB 900 series	FNB96CL-KB6G6A1	C-Cor
DSIM-CF KIT 05		
Amplifier Part Number	**Description**	**Amp Manufacturer**
Flexnet FNT 900 series	FNT95DJT-KB6P6A1	C-Cor
DSIM-CF KIT 06		
Amplifier Part Number	**Description**	**Amp Manufacturer**
Flex Max 901e Series	Trunk / Bridger	C-Cor

ACI DSIM Accessories:

DSIM Controller

The universal DSIM controller is a smart tweaker-tool that is used to set the pilot channel or thermal AGC dB cable settings in the DSIM AGC modules. The bi-colored blue and red LED indicator's blinking patterns denote the current operational mode setting.

DSIM Bluetooth Dongle

The smart phone Android or iOS Apple based software applications allows customers extended access to the internal setup parameters and analysis of real time or data stored in the DSIM AGC module via a blue tooth wireless connection.

DSIMC Software

The DSIMC software program allows the use a laptop computer to access the extended DSIM setup parameters and analysis of real time or the stored data in the DSIM AGC module. ACI offers a cable assembly P/N 240327-01 that makes the connection from the laptop to the DSIM module.

DSIM Interface Cable

The DSIM-GI, SG, JD, MV, CC, CF and AF modules use an interface cable assembly P/N 240330-01 to make the connection from the DSIM AGC module to the controller, dongle, or DSIM laptop cable assembly.

ACI Communications, Inc.
23307 66th Avenue South
Kent, WA 98032

Rev W 05-25-2018 Printed in U.S.A.