CMA5000

SPECIFICATIONS

Multi-Layer Network Testing Platform

The CMA5000 is the industry's premier test and measurement solution designed with the high performance and scalability necessary to meet the stringent demands of telecommunication professionals while simultaneously accelerating the deployment of new services and reducing the total cost of measurement.

Through its open-architecture design, the CMA5000 offers the highest performance measurement applications in one powerful, modular platform that allows networks to be characterized and commissioned faster than the competition providing accelerated time to revenue. In addition, the flexibility and scalability of the CMA5000 allows the platform to evolve with user testing needs and technology for addressing ever-changing telecommunication infrastructures.

With its ability to span the **Physical, Data Link, Network and Transport layers** with test and measurement applications including **DWDM, SONET/SDH, Gigabit Ethernet, OTDR and Dispersion**, the CMA5000 is the ideal solution to characterize each fiber and network for maximum performance and revenue generation.

Small Bay Adapter (SBA)   **Mid Bay Adapter (MBA)**   **Large Bay Adapter (LBA)**

Expandable bay adapters hold a wide variety of application test modules, providing unsurpassed flexibility and scalability to reduce cost.

CMA5000 Platform Specifications

(Please consult factory for platform selection based on module power requirements)

CMA5000 Platform					
Specifications					
	CMA5000 with Small Bay Adapter (SBA)			**CMA5000 with Medium Bay Adapter (MBA)**	**CMA5000 with Large Bay Adapter (LBA)**
Model Number		5000-150-DC			5000-250-DC	5000-250-AC	5000-350-AC
Module bays	2				4	6
Processor	700MHz Pentium III					
RAM	256MB			512MB		
Operating System	Windows XP Professional					
Display	10.4 inch (26.4cm) color XGA (1024x768) LCD with touchscreen interface					
Internal Storage	20GB (min) hard drive					
Removable Storage (modular)	Standard: CD-R/W Optional: 3.5 inch 1.44 MB floppy					
Interfaces	PS/2 (2), Video output, PCMCIA card bus (2), USB (2), RS-232, Parallel, 10/100 Ethernet, IrDA					
Power Supply	Auto switching 92-132 VAC, 184-264 VAC (47-63 Hz)					

CMA5000 Platform				
Specifications				
	CMA5000 with Small Bay Adapter (SBA)	**CMA5000 with Medium Bay Adapter (MBA)**		**CMA5000 with Large Bay Adapter (LBA)**
Model Number	5000-150-DC	5000-250-DC	5000-250-AC	5000-350-AC
Dimensions (h x w x d)	24.1 x 34.3 x 9.5 cm (9.5 x 13.5 x 3.75 inches)	24.1 x 34.3 x 15.2 cm (9.5 x 13.5 x 6 inches)		24.1 x 34.3 x 24.1 cm (9.5 x 13.5 x 9.5 inches)
Environmental Conditions	Operation: 0° to 45°C (32° to 122°F) Storage: -25° to 60°C (-13° to 140°F) Humidity: 95% max, non-condensing			
Weight[1]	5.4 kg (12 lbs)	6.3 kg (14 lbs)		8.1 kg (18 lbs)
Battery[2] Capacity	2	2	N/A	N/A
Battery type	High-capacity Li-Ion	N/A		

Notes

[1] Weight includes one battery pack on DC powered models or integral power supply on AC powered models.

[2] DC powered models are supplied with one battery pack, an additional battery can be ordered separately

.

CMA5000 Platform Ordering Information

The CMA5000 Mainframe is available with a Small (SBA), Medium (MBA) or Large (LBA) Bay Adapter and includes the following:

- High resolution color display with touch screen,

- Modular drive bay with CD-RW drive installed,

- Application, utility, and support CDs,

- Operator's manual,

- Two USB ports,

- Two PC-Card (PCMCIA/CardBus) slots,

- Serial port, Parallel port, External monitor port, 10/100 Mb Ethernet Port,

- 20GB (min) Hard drive,

- Windows XP/Pro operating system with full access to Windows Desktop,

- High-speed Pentium III Processor with 256MB RAM[3], and choice of AC line cord.

- DC Powered modules include one high-capacity battery pack and an AC Adapter charger.

- AC Powered models include an integral AC power supply.

Model Numbers:

5000-____ ____ 0-____ - ____
      A   **B**   **C**   **D**

A = Select Bay Adapter
  1 = Small Bay Adapter (2-slot capacity)
  2 = Medium Bay Adapter (4-slot capacity)
  3 = Large Bay Adapter (6-slot capacity)

B = Select Drive/Desktop Option
  5 = CD-RW, Windows Desktop

A = Select Power Source
  DC = Battery with AC Charger (SBA or MBA only)
  AC = Dedicated AC Power (MBA or LBA only)
  DC24 = +24 V DC Power (LBA only)
  DC48 = -48 V DC Power (LBA only)

D = Select Line Cord
  US = United States   AU = Austrailia
  EU = Europe   UK = United Kingdom
  SW = Switzerland   IT = Italy

Example of order number and specification

5000-150-DC-US	CMA5000 Controller with a Small Bay Adapter, CD-RW, Windows Desktop, Battery Powered, US line cord
5000-250-AC-EU	CMA5000 Controller with a Medium Bay Adapter, CD-RW, Windows Desktop, Dedicated AC power supply, European line cord

Notes

[3] LBA Models are equipped with 512MB RAM Standard. Other models can upgrade to 512MB. Contact factory for availability.

Optional Accessories[4]

Option-501CD-RW	CMA5000 CD-read/write module (upgrade for existing units)
Option-502FLOPPY	CMA5000 floppy drive module
Option-503DESKTOP	CMA5000 Windows® desktop upgrade (upgrade for existing units without desktop)
Option-505MAN	CMA5000 operators manual
Option-506KEYUS	CMA5000 US keyboard with trackball (USB Interface)
Option-507KEYUS	CMA5000 US keyboard (PS/2 Interface)
Option-511AC	Replacement AC charger/adapter for CMA5000 and CMA4500
Option-512HCBATT	CMA5000 high voltage battery for OTA, GigE and 10 GigE
Option-513ACPOWER	Dedicated AC power module for configurations with high power requirements
Option-515PRINT	CMA5000 portable external printer with cable and case
Option-520HCASE	CMA5000 SBA hard transit case
Option-521HCASEML	CMA5000 MBA hard transit case
Option-522SCASE	Soft bag, CMA5000 SBA/MBA
Option-526TRIPOD	Mounting tripod for CMA 5000 SBA
Option-528HCASEL	CMA5000 LBA hard transit case
Option-5310DLXCASE	Deluxe hardcase for MBA or SBA featuring storage for up to 6 additional modules
Option-529STYLUS	Replacement Stylus for CMA (pack of 3)
Option-534MODCASE	Hard transit case for one OSA425, OSA400 or PMD module
Option-545VIP	USB Video Inspection Probe
Option-546VIPA	USB Video Inspection Probe - Advanced analysis option
Option-550TFMFC	Test Fiber Module SM 1.1 km - FC ultra polished Connector
Option-550TFMSC	Test Fiber Module SM 1.1 km - SC ultra polished Connector
Option-550TFMST	Test Fiber Module SM 1.1 km - ST ultra polished Connector
Option-551TFMFC	Test Fiber Module 62.5 µm 300 m - FC Connector
Option-551TFMSC	Test Fiber Module 62.5 µm 300 m - SC Connector
Option-551TFMST	Test Fiber Module 62.5 µm 300 m - ST Connector
Option-552TFMFC	Test Fiber Module 50 µm 300 m - FC Connector
Option-552TFMSC	Test Fiber Module 50 µm 300 m - SC Connector
Option-552TFMST	Test Fiber Module 50 µm 300 m - ST Connector
Option-591EXT1	CMA5000 1 Year extended warranty
Option-592EXT2	CMA5000 2 Year extended warranty
Option-580DATA	USB data transfer kit, includes software and cable for Windows® 98/2000/XP

Notes

[4] Options are ordered separately.

CMA5000 SBA and MBA Application Module Combination Table

Based on module size, bay adapter capacity and power configuration, this table indicates valid operational combinations of modules for the SBA and MBA models.

LEGEND:

Y	Valid combination of modules
MBA	Requires MBA to accommodate these modules in combination
MBA AC	Requires MBA with AC Power Option to use these modules in combination
No	This is not a valid combination of modules
n/a	Does not fit in SBA and requires all available slots of MBA

	Used Alone	ORL or Test Fiber	OTDR	CD-OTDR	1 GigE	10 GigE	2.5G XTA	10G XTA	2.5G XTA J&W	OSA 400/425	PMD 160
ORL or Test Fiber	Y	Y	Y	Y	MBA	MBA	MBA	MBA	MBA	n/a	n/a
OTDR	Y	Y	Y	Y	MBA	MBA	MBA	MBA AC	MBA AC	n/a	n/a
CD-OTDR	Y	Y	Y	Y	MBA	MBA	MBA	MBA AC	MBA AC	n/a	n/a
1 GigE	Y	MBA	MBA	MBA	MBA	MBA	MBA	MBA AC	MBA AC	n/a	n/a
10 GigE	Y	MBA	MBA	MBA	MBA	MBA	MBA	MBA AC	MBA AC	n/a	n/a
2.5G XTA	Y	MBA	MBA	MBA	MBA	MBA	MBA	MBA AC	No	n/a	n/a
10G XTA	Y	MBA	MBA AC	MBA AC	MBA AC	MBA AC	MBA AC	No	No	n/a	n/a
2.5G XTA J&W	Y	MBA	MBA AC	MBA AC	MBA AC	MBA AC	No	No	No	n/a	n/a
OSA 400/425	Y	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
PMD 160	Y	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a

Related Anritsu Products

MT9083A ACCESS Master

Anritsu's new line of MT9083A ACCESS Master OTDRs provides all the measurement functions and performance required for optical fiber construction and maintenance of access, FTTx, LAN and metro networks in a compact, lightweight, all-in-one unit that eliminates the burden of carrying many different test sets and instruments on-site.

The ACCESS Master MT9083A is the first all-in-one tool that does not compromise performance. It features extremely high resolution to see those closely spaces splices and connectors, while still being able to certify 100+ km spans- quickly and accurately. In addition to verifying the integrity of the fiber plant, network performance can also be verified ensuring the customer experience is at its highest level. Whatever your work, construction or maintenance, long haul or intra-building, Anritsu has an MT9083A model for your needs.

CMA50 Optical Loss Test Set

All-in-one light source, power meter, visual fault locator and optical return loss meter for optical fiber construction and maintenance. They are offered with common calibration wavelength and connector options to meet any testing requirement from FTTx networks to long haul telephony links to multimode LAN, and CATV.

CMA5 Optical Power Meter and Light Source

The CMA5 Series Power Meters are ideal for attenuation and power throughput measurements on point-to-point fiber optic links. The CMA5 Series Light Sources provide an economical and stable laser source for use in point-to-point attenuation measurement. They feature a rugged design, built to withstand the difficult testing environment of fiber optic cable installation and maintenance.

CMA3000 Mobile and Fixed Access Network Tester

CMA 3000 is designed specifically for field technicians who install and maintain mobile-access and fixed-access networks. The CMA 3000 is a powerful tool for a wide range of applications, including fast first-aid troubleshooting to comprehensive, in-depth and all-layer analysis of transmission problems. The basic CMA 3000 configuration, with its two 2 Mbps receivers and transmitters, supports framed and unframed testing and monitoring of 2 Mbps systems.

Anritsu Corporation
5-1-1 Onna, Atsugi-shi, Kanagawa, 243-8555
Japan
Phone: +81-46-223-1111
Fax: +81-46-296-1264

- **U.S.A.**
Anritsu Company
1155 East Collins Blvd., Richardson, TX 75081,
U.S.A.
Toll Free: 1-800-ANRITSU (267-4878)
Phone: +1-972-644-1777
Fax: +1-972-671-1877

- **Canada**
Anritsu Electronics Ltd.
700 Silver Seven Road, Suite 120, Kanata,
Ontario K2V 1C3, Canada
Phone: +1-613-591-2003
Fax: +1-613-591-1006

- **Brazil**
Anritsu Electrônica Ltda.
Praca Amadeu Amaral, 27 - 1 Andar
01327-010-Paraiso-São Paulo-Brazil
Phone: +55-11-3283-2511
Fax: +55-11-3288-6940

- **U.K.**
Anritsu EMEA Ltd.
200 Capability Green, Luton, Bedfordshire LU1
3LU, U.K.
Phone: +44-1582-433280
Fax: +44-1582-731303

- **France**
Anritsu S.A.
9, Avenue du Québec Z.A. de Courtabœuf
91951 Les Ulis Cedex, France
Phone: +33-1-60-92-15-50
Fax: +33-1-64-46-10-65

- **Germany**
Anritsu GmbH
Nemetschek Haus, Konrad-Zuse-Platz 1
81829 München, Germany
Phone: +49 89 442308-0
Fax: +49 89 442308-55

- **Italy**
Anritsu S.p.A.
Via Elio Vittorini, 129, 00144 Roma, Italy
Phone: +39-6-509-9711
Fax: +39-6-502-2425

- **Sweden**
Anritsu AB
Borgafjordsgatan 13, 164 40 KISTA, Sweden
Phone: +46-853470700
Fax: +46-853470730

- **Finland**
Anritsu AB
Teknobulevardi 3-5, FI-01530 Vantaa, Finland
Phone: +358-20-741-8100
Fax: +358-20-741-8111

- **Denmark**
Anritsu A/S
Kirkebjerg Allé 90 DK-2605 Brøndby, Denmark
Phone: +45-72112200
Fax: +45-72112210

- **United Arab Emirates**
Anritsu EMEA Ltd.
Dubai Liaison Office
P O Box 500413 - Dubai Internet City
Al Thuraya Building, Tower 1, Suit 701, 7th
Floor
Dubai, United Arab Emirates
Phone: +971-4-3670352
Fax: +971-4-3688460

- **Singapore**
Anritsu Pte Ltd.
10, Hoe Chiang Road, #07-01/02, Keppel
Towers,
Singapore 089315
Phone: +65-6282-2400
Fax: +65-6282-2533

- **P.R. China (Hong Kong)**
Anritsu Company Ltd.
Suite 923, 9/F., Chinachem Golden Plaza, 77
Mody Road,
Tsimshatsui East, Kowloon, Hong Kong, P.R.
China
Phone: +852-2301-4980
Fax: +852-2301-3545

- **P.R. China (Beijing)**
Anritsu Company Ltd.
Beijing Representative Office
Room 1515, Beijing Fortune Building,
No. 5, Dong-San-Huan Bei Road,
Chao-Yang District, Beijing 10004, P.R. China
Phone: +86-10-6590-9230
Fax: +86-10-6590-9235

- **Korea**
Anritsu Corporation, Ltd.
8F Hyunjuk Building, 832-41, Yeoksam dong,
Kangnam-ku, Seoul, 135-080, Korea
Phone: +82-2-553-6603
Fax: +82-2-553-6604

- **Australia**
Anritsu Pty Ltd.
Unit 21 / 270 Ferntree Gully Road,
Notting Hill, Victoria 3168 Australia
Phone: +61-3-9558-8177
Fax: +61-3-9558-8255

- **Taiwan**
Anritsu Company Inc.
7F, No. 316, Sec. 1, Neihu Rd., Taipei 114,
Taiwan
Phone: +886-2-8751-1816
Fax: +886-2-8751-1817

- **India**
Anritsu Corporation
India Liaison Office
Unit No. S-3, Second Floor, Esteem Red Cross
Bhavan,
No. 26, Race Course Road, Bangalore 560
001, India
Phone: +91-80-32944707
Fax: +91-80-22356648