

Data Sheet

VIAVI

OneAdvisor-800

Modular Test Platform designed for the installation and maintenance of 4G and 5G Cell Sites

Many network and infrastructure technologies must converge flawlessly at a cell site to ensure peak performance. In order to integrate all the components into a functioning cell site, install teams have historically employed multiple test sets using manual test and reporting processes.

The VIAVI OneAdvisor-800 is the first test tool designed to address the challenges of a modern cell-site technician. By rolling all the key cell-site test capability into one portable tester and combining it with easy-to-use test process and reporting automation, VIAVI has equipped mobile service providers, tower companies, and contractors to meet the work-speed and test coverage requirements for 5G buildouts and LTE maintenance.

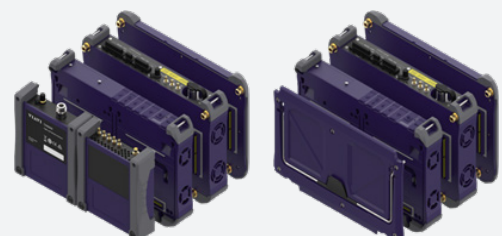


Key Features and Benefits

- Compact and highly integrated Cell site installation tool with two modular bays for 4100 series OTDR and 6 GHz CAA modules
- Detachable 9kHz to 6GHz Spectrum module with built-in optical hardware for RFoCPRI Interference Analyzer.
- Job Manager for workflow automation for seamless job between optical and coaxial- Enabled by cloud base StrataSync service
- SAA (Smart Access Anywhere) for Remote Access and coaching

Measurement

- Spectrum Analyzer with Gated Sweep
- Real Time Spectrum Analysis with Persistent display
- Interference Analyzer supporting IA an Android based automated interference finding solution
- RFoCPRI Interference Analyzer
- Reflection, Distance to Fault, 1-Port Cable Loss, 1-Port Phase, Smith Chart
- RF Source
- OTDR for SM, MM, and DWDM. Optimized for enterprise, metro, long-haul, and FTTx/ access point-to-point or point-to-multipoint passive (PONs)
- Fiber Microscope for fiber surface inspection



General Information

Inputs and Outputs	
USB	2x USB2 Host
	1x USB OTG
LAN	RJ-45, 1000 Base-T
Audio	3.5mm headphone Jack
	Built-in speaker
Display	8", 1280 x 800 resolution
Power	
Connector	Rectangular DC Jack
External DC Input	19 VDC
Power consumption	Mainframe: 10.8W (w/ 70% brightness setting)
	CAA06MA: 6.2W (w/o Bias-T)
Battery	
Type	14.4 V, 6800 mAh (Lithium ion)
Operating time	MF(Mainframe) only: > 8hrs
	MF with CAA: > 5hrs (70% brightness setting)
Charging time	100 % charging
	Standard (one battery): > 2:2 hrs
	Up to 80 % charging
	Standard (one battery): > 1:40 hrs
Charging temperature	0 to 45°C (32 to 113°F) ≤ 85% RH
Discharging temperature	-20 to 55°C (-4 to 131°F) ≤ 85% RH
Storage temperature	-20 to 60°C (-4 to 140°F)
Operating Temperature	
0 to 40°C (32 to 104°F)	AC Power condition
-10 to 55°C (14 to 131°F)	Battery operation condition
Storage temperature	
-20 to 60 °C (-4 to 140 °F)	
Maximum humidity	
95% RH (noncondensing)	

Memory	
Internal	6.2 GB total, shared by system memory
External	Micro-SD: up to 32GB USB flash memory: limited by size of the flash drive Supported file system: FAT, FAT3, ext4

Environmental	
Shock and Vibration	MIL-PRF-28800F
Bench handling	MIL-PRF-28800F
Drop	MIL-PRF-28800F ETSI EN 300 029-2-7
EMC	IEC/EN 61326-1 FCC part 15B ICES-003

Size and weight	
Weight	2.0 kg (4.4 lb) without module (including battery)
Size (W x H x D)	270 x 170 x 60 mm (10.6 x 6.7 x 2.3 in) without module

Warranty	
3 years*	

* Applied to Mainframe and module only. For every accessory, 1-year warrant is applied.

Ordering Information

Part	Description
ONA-800A*	OneAdvisor package
Package/Bundles	
ONA800A-CAA-OTDR-DBA	OneAdvisor Demo Bundle with Accessories - CAA-BiasT OTDR-SM
ONA800A-CAA-ATT-CFL	OneAdvisor Bundle 1 - CAA - Accessories - FOR ATT ONLY
ONA800A-CAA	OneAdvisor Bundle 2 - CAA
ONA800A-CAA-A	OneAdvisor Bundle 3 - CAA - Accessories
ONA800A-OSM	OneAdvisor Bundle 4 - OTDR SM
ONA800A-OSM-A	OneAdvisor Bundle 5 - OTDR SM - FiberChek - Accessories
ONA800A-C-OSM	OneAdvisor Bundle 6 - CAA - OTDR SM
ONA800A-C-OSM-A	OneAdvisor Bundle 7 - CAA - OTDR SM - FiberChek - Accessories
ONA800A-C-OSM-A-V	OneAdvisor Bundle 8 - CAA - OTDR SM - FiberChek - Accessories - RFVision
ONA800A-CAA-OQ	OneAdvisor Bundle 9 - CAA - OTDR Quad
ONA800A-C-OQ-A	OneAdvisor Bundle 10 - CAA - OTDR Quad - FiberChek - Accessories
ONA800A-C-OQ-A-V	OneAdvisor Bundle 11 - CAA - OTDR Quad - FiberChek - Accessories - RFVision
ONA800A-SPCP	OneAdvisor Bundle 12 - SpecAn GSS RM IntAn RtSA RFoCPRI
ONA800A-SPCPCA	OneAdvisor Bundle 13 - SpecAn GSS RM IntAn RtSA RFoCPRI - CAA
ONA800A-SPCPCAOS	OneAdvisor Bundle 14 - SpecAn GSS RM IntAn RtSA RFoCPRI - CAA - OTDR SM
ONA800A-SPO-A	OneAdvisor Bundle 15 - SpecAn GSS RM IntAn RtSA with RF Antennas
Solution Hardware Modules	
SPA06MA-O	SPA06MA-O;Spectrum Analyzer Module 9 kHz to 6 GHz with Optical Hardware
CAA06MA	CAA06MA;6 GHz Cable and Antenna Analyzer Module
CAA06MB	CAA06MB;6 GHz Cable and Antenna Analyzer Module with Bias Power and Bias-Tee
E4106MA2-APC	E4106MA2-APC;METRO-ACCESS 1310/1625 NM APC OTDR MODULE
E4106MA2-PC	E4106MA2-PC;METRO-ACCESS 1310/1625 NM PC OTDR MODULE
E4126MA2-APC	E4126MA2-APC;METRO-ACCESS 1310/1550 NM APC OTDR MODULE
E4126MA2-PC	E4126MA2-PC;METRO-ACCESS 1310/1550 NM PC OTDR MODULE
E4126MA3-APC	E4126MA3-APC;METRO-ACCESS/PON 1310/1550 NM APC OTDR MODULE
E4126MA3-PC	E4126MA3-PC;METRO-ACCESS/PON 1310/1550 NM PC OTDR MODULE
E4136MA3-APC	E4136MA3-APC;METRO-ACCESS/PON 1310/1550/1625 NM APC OTDR MODULE
E4136MA3-PC	E4136MA3-PC;METRO-ACCESS/PON 1310/1550/1625 NM PC OTDR MODULE
E4146QUAD	E4146QUAD;Multimode/Singlemode 850/1300/1310/1550 nm OTDR
E41DWDMC-APC	E41DWDMC-APC;TUNABLE DWDM APC OTDR MODULE - C-BAND
E41DWDM-PC	E41DWDMC-APC;TUNABLE DWDM PC OTDR MODULE - C-BAND
E4136MA2-APC	E4136MA2-APC;METRO-ACCESS 1310/1550/1625 NM APC OTDR MODULE
E4136MA2-PC	E4136MA2-PC;METRO-ACCESS 1310/1550/1625 NM PC OTDR MODULE
E4136MA3-APC	E4136MA3-APC;METRO-ACCESS/PON 1310/1550/1625 NM APC OTDR MODULE
E4136MA3-PC	E4136MA3-PC;METRO-ACCESS/PON 1310/1550/1625 NM PC OTDR MODULE
E4146QUAD	E4146QUAD;Multimode/Singlemode 850/1300/1310/1550 nm OTDR
E41DWDMC-APC	E41DWDMC-APC;TUNABLE DWDM APC OTDR MODULE - C-BAND

* Including OneAdvisor Mainframe, Display, AC/DC Adapter, Li-Ion Battery, and Soft Carrying case.
Recommended for CAA06MB module only

E41DWDMC-PC	E41DWDMC-PC;TUNABLE DWDM PC OTDR MODULE - C-BAND
2301/12	2301/12;COSA-4055 APC CWDM OSA Module with SFP Bay - SC optical adapter mounted FC enclosed
2331/12	2331/12;OCC-4056C APC; DWDM Analyzer with SFP bay
FBP-SD101	FBP-SD101;Kit FBP-P5000I Digital Probe Fibercheckpro SW Case And Tips
FIT-FC-KIT3	FIT-FC-KIT3;Kit FiberChek Autofocus WiFi Microscope Tips for LC/PC SC/PC and SC/APC Case
MP-60A	MP-60A;USB Optical Power Meter with Accessories
Software Options for OneAdvisor Platform	
ONA-MF-BT	Bluetooth connectivity
ONA-MF-WIFI	Wi-Fi connectivity
22121219	StrataSync test data API and data management
SAA-ADVISOR	Smart Access Anywhere for CellAdvisor Products
Software Options for SPA06MA-O solution module	
ONA-SP-GNSS	GPS connectivity with GPS antenna
ONA-SP-RT50	Realtime Spectrum Analysis (50MHz)
ONA-SP-RT100	Realtime Spectrum Analysis (100MHz)
ONA-SP-INTAN	Interference Analysis
ONA-SP-GSS	Gated Sweep Spectrum
ONA-SP-RM	Spectrum Route Map
ONA-SP-CPRI17	RFoCPRI line rates 1 to 7 for interference analysis
ONA-SP-CPRI8	RFoCPRI line rate 8 for interference analysis
ONA-SP-CPRI18	RFoCPRI line rates 1 to 8 for interference analysis
Software Options for CAA06M solution module	
ONA-CAA-RFS	RF CW source
Software Options for E4100 series solution module	
2331/94.01	2331/94.01;Tunable SFP SW-option for OCC-4056C / when ordered with MF
ENTERPRISESLM	ENTERPRISESLM;ENTERPRISE-SLM/-OTDR FUNCTION
ENTERPRISESLM-UPG	ENTERPRISESLM-UPG;ENTERPRISE-SLM/-OTDR LICENSE UPGRADE
ESMARTACQ	ESMARTACQ;SMARTACQ OTDR OPTION
ESMARTACQ-UPG	ESMARTACQ-UPG;SMARTACQ OTDR OPTION UPGRADE
ECABLESLM	ECABLESLM;CABLE-SLM OTDR FUNCTION
ECABLESLM-UPG	ECABLESLM-UPG;CABLE-SLM OTDR UPGRADE FUNCTION
Accessories for OneAdvisor Platform	
ONA-800-DISP	OneAdvisor Display
ONA-800A-BC	OneAdvisor mainframe back cover
Accessories for CAA06MA	
JD78050509	JD78050509;Y- CALIBRATION KIT TYPE-N_m_DC TO 6 GHZ_50 OHM
JD78050510	JD78050510;Y- Calibration Kit DIN_m_DC to 6 GHz_50 ohm
JD70050509	JD70050509;EZ-CAL Kit Type-N m_DC to 6 GHz_50 Ohm
G700050653	Bias-Tee; N_m N_f BNC_f; 2.5 to 6000 MHz; 1W w 250 mm BNC_f to SMA_m Cable

Accessories: Cables	
G700050531	G700050531;RF Cable DC to 8 GHz Type-N M to Type-N F_1.5 m
G700050532	G700050532;RF Cable DC to 8 GHz Type-N M to Type-N F_3.0 m
EPCSM10M-LC-LC	EPCSM10M-LC-LC;10M SM Patchcord LC/PC to LC/PC
RF Antennas	
G700050358	G700050358;Mag mount RF omni Antenna Type N_m; 689 to 6000 MHz
G700050350	G700050350;RF omni antenna Type-N_m; 3300 to 3800 MHz
G700050613	G700050613;Bandpass filter 3300 MHz to 3800 MHz; N_m to N_f; 50 ohm
G700050366	G700050366;RF Log Periodic Antenna SMA-f 650 to 4000 MHz 1.85 dBd
G700050367	G700050367;RF Log Periodic Antenna SMA-f 650 to 6000 MHz 2.85 dBd
JD70050007	JD70050007;AntennaAdvisor Handle
G700050390	G700050390;GPS SMA mount antenna
Accessories: RF Adapters	
G700050571	G700050571;Adapter Type-N M to DIN F_DC to 7.5 GHz_50 Ohm
G700050572	G700050572;Adapter DIN M to DIN M_DC to 7.5 GHz_50 Ohm
G700050573	G700050573;Adapter Type-N M to SMA F DC to 18 GHz_50 Ohm
G700050585	G700050585;Adapter N m to 4.3-10 f; DC to 6.0 GHz; 50 ohm
G700050586	G700050586;Adapter N m to 4.3-10 m; DC to 6.0 GHz; 50 ohm
Accessories: Attenuators	
G710050581	G710050581;Attenuator 40DB 100W DC to 4Ghz Unidirectional
Accessories: Miscellaneous	
G710550324	G710550324;External Battery Charger
G700050150	G700050150;98 Wh Lithium-ion battery
G700050126	G700050126;CA5G AC/DC power adapter_160 W_19 V
CC-034601	CC-034601;Large Carrying Case for HST and OneExpert
JD70050342	JD70050342;Hard Carrying Case With Wheels
G700050125	G700050125;CA5G Automotive cigarette lighter DC/DC adapter

VIAVI Care Support Plans

Increase your productivity for up to 5 years with optional VIAVI Care Support Plans:




- Maximize your time with on-demand training, priority technical application support and rapid service.
- Maintain your equipment for peak performance at a low, predictable cost.

Contact your local representative for more information on VIAVI Care Support Plan options or visit:

viavisolutions.com/viavicareplan

Features

*5-year plans only

Plan	Objective	Technical Assistance	Factory Repair	Priority Service	Self-paced Training	5 Year Battery and Bag Coverage	Factory Calibration	Accessory Coverage	Express Loaner
 BronzeCare	Technician Efficiency	Premium	✓	✓	✓				
 SilverCare	Maintenance & Measurement Accuracy	Premium	✓	✓	✓	✓*	✓		
 MaxCare	High Availability	Premium	✓	✓	✓	✓*	✓	✓	✓



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