

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.

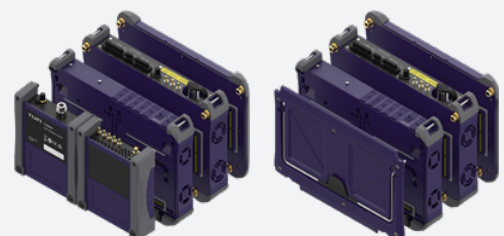


Key Features and Benefits

- 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 and Signal Analyzer for 4G and 5G.
- EMF Analyzer based on 6GHz Spectrum and 5G NR Analyzer.
- 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
- 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
Solution Hardware Modules	
SPA06MA-O	Spectrum Analyzer Module 9 kHz to 6 GHz with Optical Hardware
SPA06MA	Spectrum Analyzer Module 9 kHz to 6 GHz
CAA06MA	6 GHz Cable and Antenna Analyzer Module
CAA06MB	6 GHz Cable and Antenna Analyzer Module with Bias Power and Bias-Tee
E4106MA2-APC	Metro-Access 1310/1625 nm APC OTDR Module
E4106MA2-PC	Metro-Access 1310/1625 nm PC OTDR Module
E4123MM-PC	Multimode 850/1300 nm OTDR Module
E4126MA2-APC	Metro-Access 1310/1550 nm APC OTDR Module
E4126MA2-PC	Metro-Access 1310/1550 nmPC OTDR Module
E4126MA3-APC	Metro-Access/PON 1310/1550 nm APC OTDR Module
E4126MA3-PC	Metro-Access/PON 1310/1550 nm PC OTDR Module
E4136MA2-APC	Metro-Access 1310/1550/1625 nm APC OTDR Module
E4136MA2-PC	Metro-Access 1310/1550/1625 nm PC OTDR Module
E4136MA3-APC	Metro-Access/PON 1310/1550/1625 nm APC OTDR Module
E4136MA3-PC	Metro-Access/PON 1310/1550/1625 nm PC OTDR Module
E4138FMA365-APC	Metro-Access/PON 1310/1550//F1650 nm APC OTDR Module
E4146QUAD	Multimode/Singlemode 850/1300/1310/1550 nm OTDR
E4146QUAD-PC	Multimode/Singlemode 850/1300/1310/1550 nm OTDR PC
E4146QUAD-APC	Multimode/Singlemode 850/1300/1310/1550 nm OTDR APC
E41DWDMC-APC	Tunable DWDM APC OTDR Module - C-Band
E41DWDMC-PC	Tunable DWDM PC OTDR module - C-Band
2301/12	COSA-4055 APC CWDM OSA Module with SFP Bay - SC optical adapter mounted FC enclosed
2331/12	OCC-4056C APC; DWDM Analyzer with SFP bay
ONA-PMVFL	Power Meter and VFL Mainframe Module for OneAdvisor-800
FBP-SD101	Kit FBP-P5000I Digital Probe FiberChekPro SW Case And Tips
FIT-FC-KIT3	Kit FiberChek Autofocus WiFi Microscope Tips for LC/PC SC/PC and SC/APC Case
MP-60A	USB Optical Power Meter with Accessories
Software Options for OneAdvisor Platform	
ONA-MF-BT	Bluetooth connectivity
ONA-MF-WIFI	WiFi connectivity
22121219	StrataSync test data API and data management
SAA-ADVISOR	Smart Access Anywhere for CellAdvisor Products

* Including OneAdvisor Mainframe, Display, AC/DC Adapter, Li-Ion Battery, and Soft Carrying case.

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
ONA-SP-LTEFDOTA	LTE/LTE-A FDD OTA Signal Analysis
ONA-SP-LTETDOTA	LTE/LTE-A TDD OTA Signal Analysis
ONA-SP-5GOTA	5G NR OTA Beamforming Analyzer
ONA-SP-LTEFDSIA	LTE/LTE-A FDD Signal Analysis
ONA-SP-LTETDSIA	LTE/LTE-A TDD Signal Analysis
ONA-SP-5GSIA	5G NR Signal Analysis
ONA-SP-DSSOTA	DSS OTA Analyzer
ONA-SP-EMF-SA	EMF Analysis (Spectrum Analysis base)
ONA-SP-EMF-NR	EMF Analysis (NR Beam Analysis base)
ONA-SP-10GELAN	10G Ethernet Test
ONA-SP-25GE	25G Ethernet Test
ONA-SP-ODUM	O-DU M-Plane Emulation
ONA-SP-ODUS	O-DU S-Plane Emulation

Software Options for CAA06M solution module

ONA-CAA-RFS	RF CW source
ONA-CAA-2P	2 Port Transmission Measurement

Software Options for E4100 series solution module

2331/94.01	Tunable SFP SW-option for OCC-4056C / when ordered with MF
ENTERPRISESLM	Enterprise-SLM/-OTDR Function
ENTERPRISESLM-UPG	Enterprise-SLM/-OTDR License Upgrade
E410TDRPM	Power Meter Option for OTDR Modules
ESMARTACQ	SMARTACQ OTDR Option
ESMARTACQ-UPG	SMARTACQ OTDR Option Upgrade
ECABLESLM	CABLE-SLM OTDR Function
ECABLESLM-UPG	CABLE-SLM OTDR Upgrade Function
EFTTHSLM	FTTH-SLM OTDR Function
EFTTHSLM-UPG	FTTH-SLM OTDR UPG Option
EFTTASLM	FTTA-SLM Function
EFTTASLM-UPG	FTTA-SLM OTDR UPG Option

Accessories for OneAdvisor Platform	
ONA-800-DISP	OneAdvisor Display
ONA-800A-BC	OneAdvisor mainframe back cover
Accessories for CAA06MA	
JD78050509	Y- Calibration Kit Type-N_M_DC TO 6 GHz_50 ohm
JD78050510	Y- Calibration Kit DIN_m_DC to 6 GHz_50 ohm
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	RF Cable DC to 8 GHz Type-N M to Type-N F_1.5 m
G700050532	RF Cable DC to 8 GHz Type-N M to Type-N F_3.0 m
EPCSM10M-LC-LC	10M SM Patchcord LC/PC to LC/PC
RF Antennas	
G700050358	Mag mount RF omni Antenna Type N_m; 689 to 6000 MHz
G700050350	RF omni antenna Type-N_m; 3300 to 3800 MHz
G700050613	Bandpass filter 3300 MHz to 3800 MHz; N_m to N_f; 50 ohm
G700050366	RF Log Periodic Antenna SMA-f 650 to 4000 MHz 1.85 dBd
G700050367	RF Log Periodic Antenna SMA-f 650 to 6000 MHz 2.85 dBd
JD70050007	AntennaAdvisor Handle
G700050390	GPS SMA Mount Antenna
G700050381	Isotropic Antenna Type-N_m; 400 MHz to 6 GHz
Accessories: RF Adapters	
G700050571	Adapter Type-N M to DIN F_DC to 7.5 GHz_50 ohm
G700050572	Adapter DIN M to DIN M_DC to 7.5 GHz_50 ohm
G700050573	Adapter Type-N M to SMA F DC to 18 GHz_50 ohm
G700050585	Adapter N m to 4.3-10 f; DC to 6.0 GHz; 50 ohm
G700050586	Adapter N m to 4.3-10 m; DC to 6.0 GHz; 50 ohm
Accessories: Attenuators	
G710050581	Attenuator 40DB 100W DC to 4Ghz Unidirectional
Accessories: Miscellaneous	
G710550324	External Battery Charger
G700050150	98 Wh Lithium-ion battery
G700050126	CA5G AC/DC power adapter_160 W_19 V
CC-034601	Large Carrying Case for HST and OneExpert
JD70050342	Hard Carrying Case With Wheels
G700050125	CA5G Automotive cigarette lighter DC/DC adapter
Antenna Test	
3Z-RFV-2000	3Z RF Vision Kit
3Z-RFV-CAMD	Discounted Camera License Key with RF Vision Purchase

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.

Plan availability depends on product and region. Not all plans are available for each product or in every region. To find out which VIAVI Care Support Plan options are available for this product in your region, contact your local representative 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	✓	✓	✓	✓*	✓	✓	✓



Contact Us **+1 844 GO VIAVI**
(+1 844 468 4284)

To reach the VIAVI office nearest you,
visit viavisolutions.com/contact

© 2021 VIAVI Solutions Inc.
Product specifications and descriptions in this document are subject to change without notice. Patented as described at viavisolutions.com/patents
ona800-ds-xpf-nse-ae
30191107 904 0921