

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.

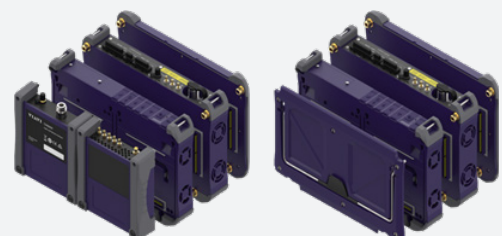


### Key Features and Benefits

- 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 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
<b>Package/Bundles</b>	
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
<b>Solution Hardware Modules</b>	
SPA06MA-O	Spectrum Analyzer Module 9 kHz to 6 GHz with Optical Hardware
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
E41OTDRPM	Power Meter Option for OTDR Modules
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	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
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

#### 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-E/LTE-Adv FDD OTA Signal Analysis
ONA-SP-LTETDOTA	LTE-E/LTE-Adv TDD OTA Signal Analysis
ONA-SP-5GOTA	5GNR OTA Beamforming Analyzer
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)

#### Software Options for CAA06M solution module

ONA-CAA-RFS	RF CW source
-------------	--------------

#### 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
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

<b>Accessories for OneAdvisor Platform</b>	
ONA-800-DISP	OneAdvisor Display
ONA-800A-BC	OneAdvisor mainframe back cover
<b>Accessories for CAA06MA</b>	
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
<b>Accessories: Cables</b>	
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
<b>RF Antennas</b>	
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
<b>Accessories: RF Adapters</b>	
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
<b>Accessories: Attenuators</b>	
G710050581	Attenuator 40DB 100W DC to 4Ghz Unidirectional
<b>Accessories: Miscellaneous</b>	
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

## 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.

### 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	✓	✓	✓	✓*	✓	✓	✓