

The OnePort programmer from Approved Networks is conveniently small and portable with proprietary software that is both intuitive and easy-to-use. OnePort takes the complexity out of coding, whether programming a single transceiver or an entire batch.

#### **System Requirements:**

Windows 10 Pro or Windows 7; other operating systems are not supported at this time RAM: 4GB minimum Storage Required: 17MB Internet Connection

#### **Download and Installation:**

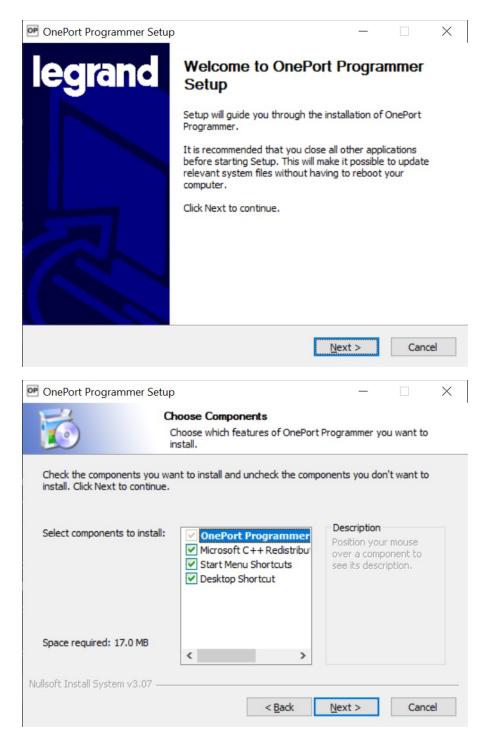
Download the OnePort Programmer software from: approvednetworks.com/oneport-downloads Extract the contents of OnePort Installer zip file to a convenient folder.

#### 1. Locate the file OnePort Installer in the folder used to extract the files

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	📴 OnePort Installer	8/24/2021 6:10 PM	Application	15,107 Ki	3
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### 2. Run the OnePort Installer application

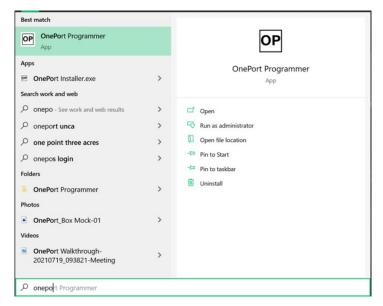


(Leave "Microsoft C++ Redistributable Package (x86)" checked as it is a necessary component)



### Programming

Search for OnePort from the Windows Start Menu and run the application



OnePort Programmer application will start. If it successfully establishes connection to Approved Network's cloud database, the Database status on the upper right corner will read 'Connected'. If it reads 'Disconnected', make sure the computer is connected to the Internet.



Connect the OnePort Programmer unit to the computer with the included USB cable. The Programmer status will read 'Connected'. If it still reads 'Disconnected', ensure the USB connections are secure and check the troubleshooting section of this guide if necessary.

## Approved Networks

# OnePort User Guide

OnePort Programmer      Approved     Networks     Avoid of Biogram		- C × Programmer: CONNECTED Database: CONNECTED
Current Configuration Form Factor: None Part Number: Serial #: ITU Channel: Wavelength: Frequency: Description:	Please Insert Transceiver	Coding Details Platform: Part Number: Program Transceiver Program Batch
() HELP	Ok	
About All trademarks, registered company names	and references cited are the sole property of their respective owner(s). They are used only to assist in	the identification of product compatibility.

Insert the OnePort Programmable transceiver to be programmed into the SFP, QSFP or XFP slot. Only one transceiver or AOC or DAC can be reprogrammed at a time. Please note that only OnePort compatible transceivers identified with the part numbers starting with 'OP-' or ending with '-OP', can be reprogrammed.

Note: Transceivers with part numbers starting with 'OP-' are MSA-coded from the factory and the ones ending with '-OP' are programmed with a vendor compatibility from the factory.

Depending on the transceiver inserted, the software downloads all the available compatibilities that the transceiver can be reprogrammed to.

Appro Netwo	rks UnePort				Programmer: CONNECTED Database: CONNECTED
Current Configur	ration	PROGRAM MSA TU	NE HISTORY		Coding Details
orm Factor: Part Number:	None 1184561PG3-L	Available Compati	bilities (31)		latform: art Number:
erial #:	USO200000335016	Platform	Part Number Compatibility	Favorite	
Vavelength:		Adtran	1184561PG3	÷ ^	
escription:		Adtran	1200480E1	*	
SFP 1000Base S	W Dumley LO	Alcatel	1AB187280063	*	
Multi-mode Fiber	er (MMF) 850 nm	Alcatel	3FE25773AA	*	
550 meters (180 DOM	)4 feet)	Alcatel	3HE00027AA	*	
Industrial Tempe	erature	Alcatel	3HE00027CA	*	
		Alcatel	SFP-GIG-SX	*	
		Arista	SFP-1G-SX	*	
		Avaya	108873241	*	Program Transceiver
		Avaya	AA1419048-E6	*	
		Brocade	E1MG-SX-OM	*	
		Calix	100-01660	*	
		Ciena	B-700-1016-001	*	Program Batch
		Ciena	NTTP01AF	☆	
		Ciena	NTTP06AF	*	
		Ciena	OPT-SX	*	
		Ciena	XCVR-A00G85	*	
	<u> </u>	Ciena	XCVR-B00G85	*	
	? HELP	Cisco	GLC-SX-MMD	*	
		Dell	320-2881	*	
		Dell	407-BBOR	*	
	About	Finisar	FTLF8519P3BTL	*	
	About	Finisar	ETLE8524P2BNI	÷ ~	



Select the desired platform, double check the selection on the right-hand side, note down the part number under 'Coding Details' and click 'Program transceiver' to start the process. It takes less than half a minute for programming to finish.



Confirm successful programming by verifying that the Part Number on the left-hand side matches with the part number chosen and noted down prior to programming.

Approved Networks Networks				Programmer: CONNECTE
urrent Configu	ıration	PROGRAM MSA TU		Coding Details
orm Factor:	SFP	Available Compati	Available Compatibilities (31)	
art Number:	1184561PG3-L	Search		Platform: Adtran Part Number: 1184561PG3
erial #:	USO2000000335016	Platform	Part Number Compatibility	Favorite
avelength:	850.0 nm	Adtran	1184561PG3	* ^
	850.0 mm	Adtran	1200480E1	× · · · · · · · · · · · · · · · · · · ·
escription:		Alcatel	1AB187280063	<u>×</u>
SFP 1000Base Multi-mode Fib	SX Duplex LC er (MMF) 850 nm	Alcatel	3FE25773AA	<u>×</u>
550 meters (18		Alcatel	3HE00027AA	
DOM Industrial Temp	verature	Alcatel	3HE00027CA	<u>*</u>
industrial remp		Alcatel	SFP-GIG-SX	<u>*</u>
		Arista	SFP-1G-SX	*
		Avaya	108873241	Program Transceiver
		Avaya	AA1419048-E6	☆ · · · · · · · · · · · · · · · · · · ·
		Brocade	E1MG-SX-OM	*
		Calix	100-01660	*
		Ciena	B-700-1016-001	📩 🚽 Program Batch
		Ciena	NTTP01AF	*
		Ciena	NTTP06AF	*
		Ciena	OPT-SX	*
		Ciena	XCVR-A00G85	*
		Ciena	XCVR-B00G85	☆
	(?) HELP	Cisco	GLC-SX-MMD	☆
		Dell	320-2881	*
		Dell	407-BBOR	☆
	About	Finisar	FTLF8519P3BTL	☆
		Finisar	ETLER524P2BNI	<u></u>



#### **Batch programming:**

To program more than one transceiver with the same compatibility, use the 'Program Batch' button to start the programming process.

P OnePort Programmer		– 🗆 ×
Approved Networks Note Page		Programmer: CONNECTED
Current Configuration		Coding Details
Form Factor: SFP Part Number: 1184561PG3-L Serial #: USO2000000335016 Wavelength: 850.0 nm Description: SFP 10068se SX Duplex LC Multi-mode Fiber (MMF) 580 nm S50 meters (1804 feet)		Platform: Adtran Part Number: 1184561PG3
DOM Interes (Torum Pere) DOM Industrial Temperature	Batch Programming Started	Program Transceiver End Batch
() HELP About	Ok	
All trademarks, registered compa	ny names, and references cited are the sole property of their respective owner(s). They are used only to assist in the identific	ation of product compatibility.

After successful programming of the first transceiver, the program waits for the next transceiver to be inserted.

OnePort Programmer		×
Approved Networks OnePort		Programmer: CONNECTED
Current Configuration		Coding Details
Form Factor: SFP		Platform: Adtran
Part Number: 1184561PG3-L		Part Number: 1184561PG3
Serial #: USO200000335016		
Wavelength: 850.0 nm		
Description: SFP 1000Base SX Duplex LC Multi-mode Fiber (MMF) 850 nm 550 meters (1804 feet) DOM Industrial Temperature		
	Insert Next Transceiver	
		Program Transceiver
		End Batch
(?) HELP		
About	Ok	
All trademarks, registered compa	iny names, and references cited are the sole property of their respective owner(s). They are used only to assist in the identi	fication of product compatibility.

When finished with the last one, press the End Batch button to conclude batch programming.



#### **Tunable Transceivers:**

Tunable transceivers can be programmed just like programing a non-tunable transceiver or they can be tuned to a specific channel with our MSA-Tune feature.

#### **Programming:**

Select the desired platform, double check the selection on the right-hand side, note down the part number under 'Coding Details' and click 'Program transceiver' to start the process. It takes less than half a minute for programming to finish.

Netwo	rks OnePort				🔩 Databa	ase: CONNECTED
Current Config	uration	PROGRAM MSA TUNE	IISTORY		Cor	ding Details
Form Factor: Part Number:	SFP 10GTSFP+1700MC80	Available Compatibilitie	<b>is</b> (12)			Cisco DWDM-SFP10G-C
Serial #:	T20E04175	Platform	Part Number Compatibility	Favorite		
TU Channel:	17.00	Adtran	1442496F1C	×		
Wavelength:	1563.86 nm	Alcatel	3HE08142AA	×		
		Alcatel	3HE08142BA	*		
Frequency:	191.70 THz	Arista	SFP-10G-DZ-T	☆		
Description:		Brocade	10G-SFPP-ZRD-T	☆		
	Tunable DWDM Duplex LC	Cisco	DWDM-SFP10G-C	*		
Single-mode Fi 80 Km (49.7 m		Cisco	ONS-SC+-10G-C	☆		
DOM		Cyan	280-0451-00	☆		
Commercial Te	emperature	Juniper	SFPP-10G-CT50-ZR	☆	Program Transceiver	am Transceiver
		Juniper	SFPP-10G-DT-ZRC2	☆		
		ONEPORT (MSA)	OP-SFPP-TUNE-80	☆		
		Utune (MSA)	OP-SFPP-TUNE-80	☆		
					Pro	gram Batch
	(?) HELP					
	414					
	About					

Confirm successful programming by verifying that the Part Number on the left-hand side matches with the part number chosen and noted down prior to programming.



### Tuning:

To tune the transceiver, you must first ensure that it is programmed as a "ONEPORT (MSA) OP-SFPP-TUNE-80" If it is not, when you select your channel and go to tune it will show the pop-up window below and allow the application to reprogram the transceiver before tuning it.

Appr Netw	orks Uneport				Programmer: CONNECTE
urrent Config	uration	PROGRAM MSA TUNE H	ISTORY		Coding Details
orm Factor:	SFP	Search			ITU Channel: 17.00
art Number:	DWDM-SFP10G-C-L	ITU Channel	Wavelength	Frequency	Wavelength: 1563.86
rial #:	T20E04175	13.50	1566.72	191.35	Frequency: 191.70
U Channel:		14.00	1566.31	191.40	
		14.50	1565.90	191.45	
avelength:		15.00	1565.50	191.50	
equency:		15.50	1565.09	191.55	
scription:		16.00			
SFP+ 10GBase	Tunable DWDM Duplex LC	16.50 To set a module to a fixed channel it must be programmed as a ONEPORT (MSA) part.			
Single-mode Fi 30 Km (49.7 m	iber (SMF)	17.00			
DOM		17.50	Do you wish to reprogram the module now before tuning it?		
Commercial Te	emperature	18.00			Tune Transceiver
		18.50	Ok	Cancel	
		19.00			
		19.50	1561.83	191.95	
		20.00	1561.42	192.00	
		20.50	1561.01	192.05	
		21.00	1560.61	192.10	
		21.50	1560.20	192.15	
		22.00	1559.79	192.20	
		22.50	1559.39	192.25	
	? HELP	23.00	1558.98	192.30	
		23.50	1558.58	192.35	
		24.00	1558.17	192.40	
	About	24.50	1557.77	192.45	
		25.00	1557.36	192.50	$\overline{\mathbf{v}}$

If it is already in the ONEPORT (MSA) format no reprogramming is necessary and the application will tune the transceiver to the selected channel. Once tuning is completed the new ITU channel will show in the part number to the left.

OnePort Programmer		– 🗆 ×
Approved Networks Noter Diget		Programmer: CONNECTED Database: CONNECTED
Current Configuration		Coding Details
Form Factor: SFP Part Number: 10GTSFP+1700MC80 Serial #: T20E04175 ITU Channel: Wavelength: Frequency: Description: SFP+106Base Tunable DWDM Duplex LC scoperade Flact (SMF) DOM	Tuning Optical Transceiver finished	ITU Channet: 17.00 Wavelength: 1563.86 Frequency: 191.70
Commercial Temperature		Tune Transceiver
About All trademarks, registered compa	Ok ny names, and references cited are the sole property of their respective owner(s). They are used only to assist in the ident	fication of product compatibility.



### History:

As the transceivers are programmed the history is capture and can be displayed under the history table.

📴 OnePort Program	mer				- 🗆 X
Appro Netwo	orks Uneport				Programmer: CONNECTED Database: CONNECTED
Current Configu	ration	PROGRAM MSA TUNE HIS	STORY		Coding Details
Form Factor:	SFP	l.			Platform: Adtran
Part Number:	1200480E1-L	Platform	Part Number Compatibility	Result Date (Local)	Part Number: 1200480E1
Serial #:	USO200000335015	Ciena	OPT-SX	✓ 2/14/2022 12:53:44 PM	
Wavelength:	850.0 nm	Cisco Adtran	GLC-SX-MMD 1200480E1	<ul> <li>✓ 2/15/2022 11:02:37 AM</li> <li>✓ 2/15/2022 11:04:50 AM</li> </ul>	
550 meters (18 DOM Industrial Temp	r (MMF) 850 nm 41eet) erature				Program Transceiver
	HELP      About				
A	ll trademarks, registered comp	any names, and references o	cited are the sole property of their respective owner(	s). They are used only to assist in the ider	tification of product compatibility.

### **Troubleshooting:**

If the OnePort Programmer unit is not recognized by the software, check if Device Manager has OnePort listed under Universal Serial Bus devices. If not, please contact your sales rep or Support@approvednetworks.com for any support.

