



IDEAL NETWORKS



LanTEK III | FiberTEK III

Certifier for Copper and Fibre Cabling

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and Fibre Cabling

The LanTEK III is an easy to use cable certifier that meets existing TIA and ISO/IEC performance requirements for testing up to Cat 6A/500MHz. FiberTEK III adapters are used with LanTEK III for fast and simple certification of high bandwidth single-mode and multimode fibre optic cabling including support for encircled flux testing.



Test data when you want it, where you want it

Using the free IDEAL AnyWARE app, field technicians can share test data with colleagues or customers without leaving the jobsite, resulting in greater collaboration, more on-time job completions and reduced costs.

New troubleshooting features that save time and money

Should a cable prove to be faulty, troubleshooting is easy with the introduction of Time Domain Return Loss (TDRL) and Time Domain Near End Cross Talk (TDNEXT) measurements.

To pinpoint fibre cabling faults every FiberTEK III adapter includes a built-in visible light source to help you visually pinpoint faults and locate fibre ports.

These additional features help locate hidden connections, splices and cable faults and can save many hours previously spent troubleshooting problems on the job.

New permanent link (PL) adapter saves money

New PL adapters reduce down time and lower maintenance costs with field replaceable RJ45 contacts that eliminate the need to replace the complete adapters. New PL adapters feature centred connectors to ensure compatibility with all brands of Cat6A/Class EA cabling solutions. The PL adapters use high performance, ultra-flexible cable that allows them to be used in confined spaces without damaging the PL adapter or the outlet being tested.

Modular solution to reduce capital costs

For many cable installers there is pressure to reduce capital equipment costs. The LanTEK III and FiberTEK III uniquely offer a pick and mix solution of components, therefore you only pay for what you need. This includes a wide range of test modules, accessories and Careplans to satisfy your specific requirements.



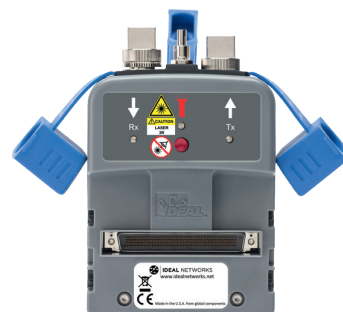
Permanent Link Testing Modules

To test and certify UTP/STP cabling from the patch panel to the work area outlet. The RJ45 contacts on the tip of the Permanent Link Modules are field replaceable to reduce the cost of ownership.



Channel Testing Modules

Select from a wide wide range of Channel testing modules for various applications including: RJ45, GG45, TERA and EC7.



Fibre Optic Testing Modules

FiberTEK III modules offer fast and simple Tier 1 certification of high bandwidth single-mode and multimode fibre optic cabling including support for encircled flux testing.

For a full list of the speciality testing modules including COAX, Alien Cross Talk and Industrial Ethernet please visit our website.

IDEAL Data CENTER (IDC) is the free test result management software for the LanTEK III and FiberTEK III series of cable certifiers. IDC allows data cable installation professionals to easily download, manage, edit and print PDF reports. IDC offers a simple user interface with time saving features including:

- PROJECT

HOME

OPTIONS

REPORT

Change Logo

Page Type

Generation Date

Selected Item

Single Link

PDF

Print

Export

Options

Report Type

Print

Export

Jobs

LT43L_2021

MAIN

Folder 1

Project 1

Site 1

Building 1

Tello Room 1

Rack 1

Panel 1

Rack 2

Panel 1

Rack 2

Panel 1

Main Panel 1

Tello Room 2

Rack 1

Panel 1

Rack 2

Panel 1

Rack 2

Panel 1

Tello Room 3

Rack 1

Panel 1

Rack 2

Panel 1

Jobs

Load Tests

Drag a column header here to group by that column

	Test Name	Test Limit	Tester	Firm...	Stan...	Shop Req...	Company	Contractor	Operator	Date	User Notes
☐	Link-001 Twisted Pair	ISO/IEC 11801-3 EIA T568 P2 STP Perm	LANTER L...	3,019	ISO...		500 COMPANY N...	CONTR...	OPERATOR NAME	24.07.2015 09:13:54	
☐	Link-002 Twisted Pair	ISO EIA T568 STP Perm	LANTER L...	3,024	ISO...		500 COMPANY N...	CONTR...	OPERATOR NAME	24.07.2015 10:13:52	
☐	Link-003 Twisted Pair	ISO EIA T568 STP Perm	LANTER L...	3,024	ISO...		500 COMPANY N...	CONTR...	OPERATOR NAME	24.07.2015 21:00:08	
☐	Link-004 Twisted Pair	ISO EIA T568 STP Perm	LANTER L...	3,024	ISO...		500 COMPANY N...	CONTR...	OPERATOR NAME	24.07.2015 23:08:14	
☐	Link-005 Twisted Pair	ISO EIA T568 STP Perm	LANTER L...	3,024	ISO...		500 COMPANY N...	CONTR...	OPERATOR NAME	24.07.2015 23:05:43	
☐	Link-006 Twisted Pair	ISO EIA T568 STP Perm	LANTER L...	3,019	ISO...		500 COMPANY N...	CONTR...	OPERATOR NAME	21.07.2015 14:23:50	
☐	Link-007 Twisted Pair	ISO EIA T568 STP Perm	LANTER L...	3,019	ISO...		500 COMPANY N...	CONTR...	OPERATOR NAME	21.07.2015 14:21:39	
☐	Link-008 Twisted Pair	ISO EIA T568 STP Perm	LANTER L...	3,024	ISO...		500 COMPANY N...	CONTR...	OPERATOR NAME	24.07.2015 23:03:03	
☐	Link-009 Twisted Pair	ISO EIA T568 STP Perm	LANTER L...	3,019	ISO...		500 COMPANY N...	CONTR...	OPERATOR NAME	24.07.2015 09:16:38	
☐	Link-010 Twisted Pair	ISO EIA T568 STP Perm	LANTER L...	3,019	ISO...		500 COMPANY N...	CONTR...	OPERATOR NAME	22.07.2015 11:57:42	
☐	Link-011 Twisted Pair	ISO EIA T568 STP Perm	LANTER L...	3,019	ISO...		500 COMPANY N...	CONTR...	OPERATOR NAME	21.07.2015 13:32:54	
☐	Link-012 Twisted Pair	ISO EIA T568 STP Perm	LANTER L...	3,024	ISO...		500 COMPANY N...	CONTR...	OPERATOR NAME	24.07.2015 23:01:48	

Summary

Summary 2

Wiremap

Pair Data

NEXT

Return Loss

Insertion Loss

SWR Loss

ACR-N

ACR-F

PS NEXT

PS ACR-N

PS ACR-F

Pair

Handset Type

Worst Value

Limit

Margi...

Worst Return Value

Worst Overall Value

Worst Overall Margin

Click here for detailed view

7.8-3.6

42.6dB @ 373.0MHz

32.0dB

41.0dB @ 495.0MHz

38.0dB

11.7dB

7.8-3.6

46.8dB @ 392.0MHz

31.5dB

45.8dB @ 464.0MHz

39.6dB

11.8dB

7.8-1.2

53.9dB @ 354.0MHz

32.5dB

51.4dB @ 478.0MHz

39.7dB

12.3dB

3.6-5.4

SH

38.2dB @ 463.0MHz

30.0dB

38.1dB @ 476.0MHz

39.6dB

8.2dB

3.6-5.4

36.8dB @ 476.0MHz

29.7dB

36.8dB @ 476.0MHz

39.7dB

7.1dB

5.4-12

40.8dB @ 480.0MHz

23.6dB

40.8dB @ 480.0MHz

39.6dB

11.2dB

7.8-3.6

PH

42.6dB @ 219.0MHz

33.5dB

39.5dB @ 446.0MHz

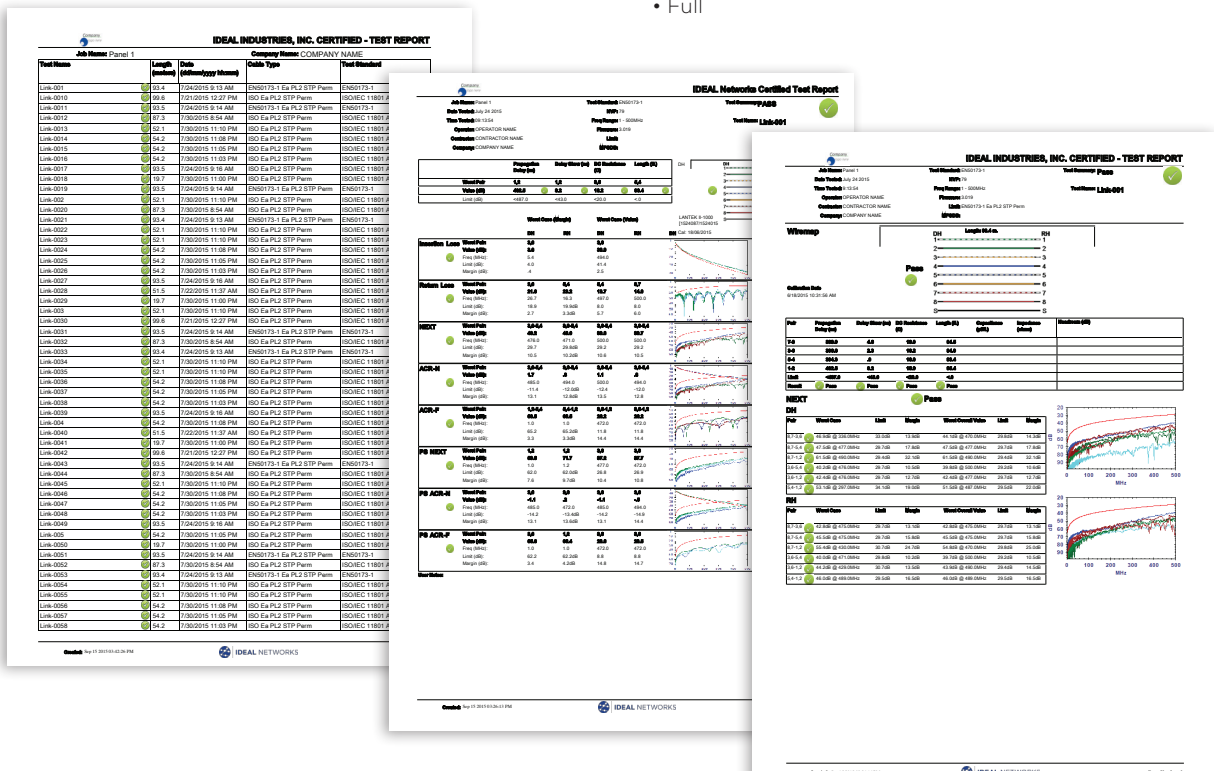
36.3dB

9.2dB

Count = 38

Automatically generate test reports in PDF or CSV format. The summary page of each report can be customised to include logo, company and operator details.

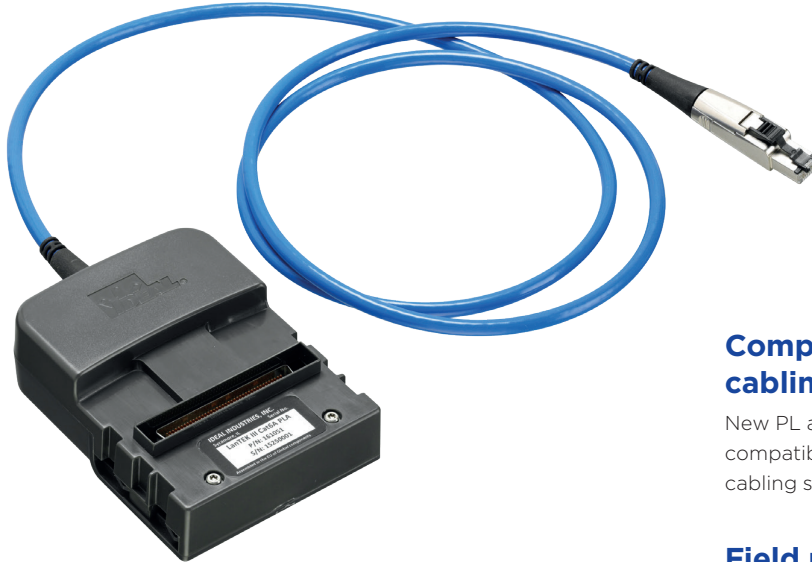
- Summary
- Brief
- Full



New Permanent Link (PL) adapter

Operates in the smallest enclosures

The PL adapters use high performance, ultra-flexible cable that allows them to be used in confined spaces without damaging the PL adapter or the outlet being tested.



Compatible with all RJ45 cabling systems

New PL adapters feature centred connectors to ensure compatibility with all brands of Cat6A/ISO Class E_A cabling solutions.

Field replaceable tips that reduce downtime and maintenance costs

New PL adapters reduce down time and lower maintenance costs with field replaceable RJ45 tips that eliminate the need to replace the complete adapters.

To reduce costs the PL adapter tips provide almost three times as many insertions than a regular patch cord before tip replacement is required.

Through innovative design, the entire worn plug assembly is replaced with a completely new plug, contact and locking mechanism.

	IDEAL Networks' PL adapter tip (independently verified)	Regular RJ45 patch cord plug rated by ISO/TIA standards
Number of insertions before contacts are worn and replacement is required	2,000	750

The PL adapter tips can be changed in minutes with 3 simple steps shown below.



Step 1

Remove screw



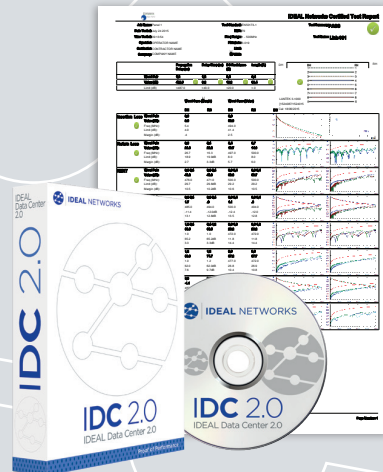
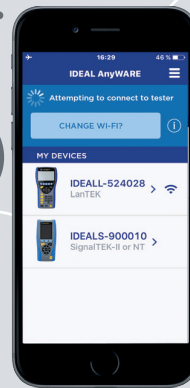
Step 2

Slide off the old tip and replace with a new one

Step 3

Replace screw

Send test data from anywhere using the free app



Step 1

Test

- Set up project
- Perform autotest on copper/fibre cabling

Step 2

Connect & Send

- Activate the LanTEK III wireless hotspot
- Connect your mobile device with the IDEAL AnyWARE app.
- Transfer test data to your mobile device
- Send data using email or your preferred file sharing app.

Step 3

Create PDF reports with IDC

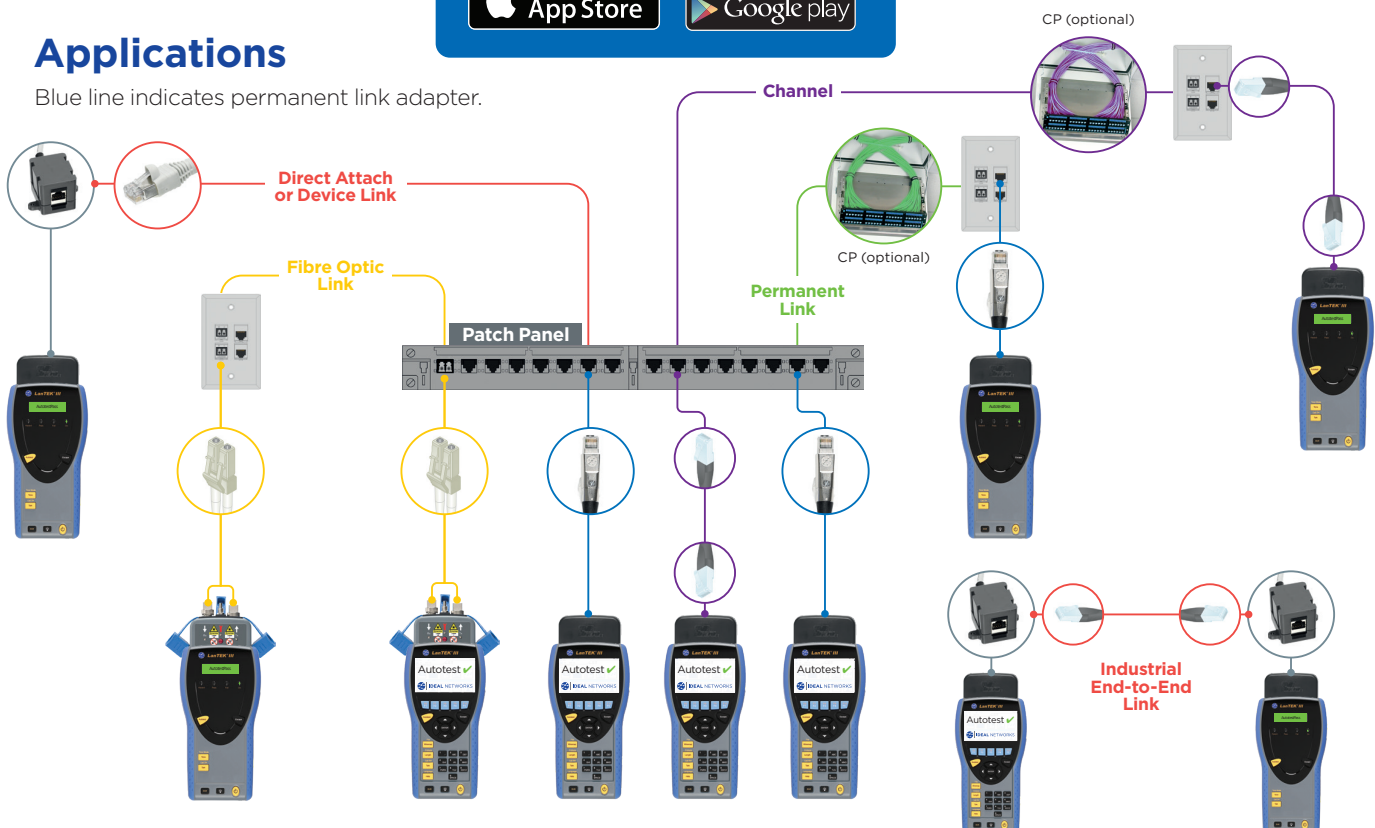
- Receive test data on your PC via email or file sharing method.
- Analyse and process data
- Create PDF reports

Download the FREE app today



Applications

Blue line indicates permanent link adapter.



LanTEK III

Independently verified

Accuracy verified by Intertek



Rugged design

Rubberised housing, protected screen and protected measurement port

Share test data

Provides mobile device connectivity using the USB Wi-Fi adapter and free IDEAL AnyWARE app



Long life battery

18 hours continuous use in the field

Replaceable Cat. 6A permanent link adapter tips

Reduces cost of ownership. Centred connectors provide minimal tolerance and are compatible with all RJ45 twisted pair cabling connectors (optional)



Troubleshooting

Time Domain Return Loss (TDRL) and NEXT (TDX) to locate hidden connections, splices and cable faults

Tone generator on both test units

Ability to identify and trace cables with a compatible amplifier probe (62-164)

Autotest on both test units

Comprehensive test results within seconds. Allows one person testing

Wiremap test button

Shortcut to quickly access wiremap results

Talk Set

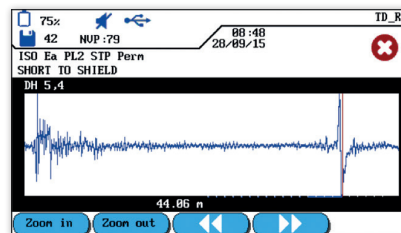
Talk to a colleague over copper or fibre links



New troubleshooting features that save time and money

Should a cable prove to be faulty, troubleshooting is easy with the introduction of Time Domain Return Loss (TDRL) and Time Domain Near End Cross Talk (TDNEXT) measurements. These additional features help locate hidden connections, splices and cable faults and can save many hours previously spent troubleshooting problems on the job.

TDX - Example: Consolidation Point



FiberTEK III

Troubleshooting

Red laser light source to visually pinpoint faults and locate fibre ports

Protected test ports

Attached covers protect ports, minimise contamination and will not be misplaced

Supports all common connector types

SC, FC, ST adapters included.
LC adapters optional

Certification

Tier 1 certification of single-mode and multimode fibre optic cabling

Encircled Flux compliance

Enables compliance to the new 2016 fibre standards IEC 14763-3 and ANSI/TIA- 526-14-C (optional accessory – see back page for details)

Field calibration

Allows 1 and 3 jumper field calibration methods to ensure accuracy and compliance to IEC and ANSI/TIA standards

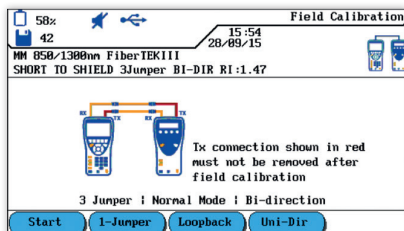
Simplified bi-directional measurements

Eliminates process of manually merging directional tests into one record

Complies with all international standards including TIA, ISO/IEC

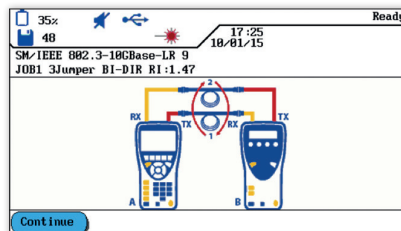
See website for full details

Fibre certification wizard to simplify setup and testing



Setup Wizard

Select field calibration (1-Jumper|3-Jumper) and measurement modes (Loopback|Normal), (Uni-Directional|Bi-Directional).



Auto-test

Perform auto-tests using the intuitive graphical interface to reduce mistakes and ensure accurate certification results.

Fiber 1		Fiber 2		Budget
Wavelength	Loss	Loss	Loss	
1310nm	00.2db	00.9db	04.1db	05.0db
1550nm	00.0db	01.0db	-1.0db	00.0db

Review Results

Tier 1 certification results display:

- ISO/TIA/IEEE test standard
- Pass/Fail result
- dB loss of each fibre at each wavelength
- dB loss in each direction (when testing bi-directionally)
- Fibre link length
- dB margin / headroom

LanTEK III

Certifier for Copper Cabling



FiberTEK III

Certifier for Fibre Cabling



Ordering information

Part No.	Kit Contents
R161001	LanTEK III-500MHz - (test adapters to be ordered separately) Includes 500 MHz Cable Certifier, TIA/EIA category 6A/ ISO Class E _A , LanTEK III display/remote handsets, Li-ion battery (2), universal power adapter (2), USB cable, headset (2), hanging strap (2), quick reference guide, carry case, USB Wi-Fi adapter (1)
R161003	LanTEK III-500MHz - (including PL adapters) Includes 500 MHz Cable Certifier, TIA/EIA Category 6A/ ISO Class E _A , LanTEK III display/remote handsets, Li-ion battery (2), universal power adapter (2), USB cable, headset (2), hanging strap (2), quick reference guide, carry case, USB Wi-Fi adapter (1), permanent link adapter - R161051 (2)
TRADE161003	Trade-In of any CAT5 (and higher) cable tester to a LanTEK III-500MHz

Optional adapters and accessories for LanTEK III

Part No.	Description
R161051	LT III-CAT6A RJ45 permanent link adapter (single)
R161052	LT III-CAT5e/6 RJ45 channel adapter (single)
R161053	LT III-CAT6A RJ45 channel adapter (single)
R161054	LT III-CAT7A TERA universal link adapter (single)
R161055	LT III-CAT7A EC7 universal link adapter (single)
R161056	LT III-CAT7A GG45 universal link adapter (single)
R161057	LT III-Coax adapter (single)
R161063	LT III-Coax calibration cable (single)
R161050	LT III-CAT6A PLA replacement tips (pair)
R160050	LT III-Industrial Ethernet kit

Ordering information

Part No.	Kit Contents
R164005	FiberTEK III-MM LED Kit - Includes two multimode FiberTEK III modules, lockable semi-rigid carrying case, SC, FC, ST adapters for modules (2 ea.), SC-SC patch cords 6x 50µm MMF compliant to ISO/IEC 14763-3 standard, quick reference guide.
R164006	FiberTEK III-SM Laser Kit - Includes two single-mode FiberTEK III modules, lockable semi-rigid carrying case, SC, FC, ST adapters for modules (2 ea.), SC-SC patch cords 6x 9µm SMF and 6x 50µm MMF compliant to ISO/IEC 14763-3 standard, quick reference guide.
R164007	FiberTEK III-MM LED & SM Laser Kit - Includes two multimode FiberTEK III modules, two single-mode FiberTEK III modules, lockable semi-rigid carrying case, SC, FC, ST adapters for modules (2 ea.), SC-SC patch cords 6x 9µm SMF and 6x 50µm MMF compliant to ISO/IEC 14763-3 standard, quick reference guide.

FiberTEK III modules are compatible with LanTEK II.

Optional accessories for FiberTEK III

Part No.	Description
R164060	FT III-Set of SC, FC and ST screw-on adapters
R164050	FT III-Encircled Flux 50/125µm cable SC - SC
R164051	FT III-Encircled Flux 50/125µm cable SC - LC
R164063	FT III-Carrying Case (Single)

For a full list of accessories, please visit www.idealnetworks.net.



Sapphire Care Plans for LanTEK II/III

Part No.	Description
SCPIYRN	1 year - 10% discount included *
SCP2YRN	2 years - 10% discount included*
SCP3YRN	3 years - 10% discount included*
SCPIYR	1 year
SCP2YR	2 years
SCP3YR	3 years
Included: Free repairs, free annual calibration, free loan tester during repairs and calibration, free shipping, free firmware updates, free technical support, free replaceable wear parts. Terms and conditions apply.	

* when purchased within 60 days of purchasing a new LanTEK III.

For details, please visit: www.idealnetworks.net under LanTEK III accessories.



IDEAL NETWORKS