

# Trust an expert for your LAN certification

## easylan

LAN TESTER  
300 MHz

ISO 11801  
TIA/EIA 568  
EN 50173



- Cat 3 to 6 / Class C to E
- Performs required tests up to 300 MHz
- Easy-to-use with Autotest button
- Software for data-records management and reports editions
- The surest choice in an evolving world, always be at the latest Standards level


✓ *Easylan, the 1st european tester*



Once PC's wished to chat together, LANs were created. Users asked for performances and quality, Easylan was born.

# Do your customers require high level performance for

## Just one button to certify easily

A short press on the  autotest button will trigger automatically all tests. EasyLAN displays test results as PASS or FAIL.



### Main menu icons

Direct access to each menu, allowing you to work quickly and easily

Site configuration

Intercalibration

Main setup

Expert mode

Memory

Identification

## A tester always at the top of performances

As standards are evolving with performance demands, AOIP guarantees you to be always at the latest standards level by offering you regularly and free of charge updates of the tester and its certification software from our Web sites.

## Save time & money

The ultimate operation in the cabling installation is the cabling system's certification, for which very often the time is counted. EasyLAN easy-to-use avoids delay penalties. Save time and improve team's coordination using the Talk-set.

- ✓ Store up to 1700 autotests.
- ✓ Simultaneous management of 10 sites.
- ✓ Multi-language tester, EasyLAN speaks English, French, German, Italian & Spanish

## Forget about technique!

The EasyLAN undertakes it. It certifies your LAN according to the selected Standard, and tests all parameters required by it. Now, more than ever easy-to-use, spend your time in certifying and not on training.

certification? AOIP has the solution

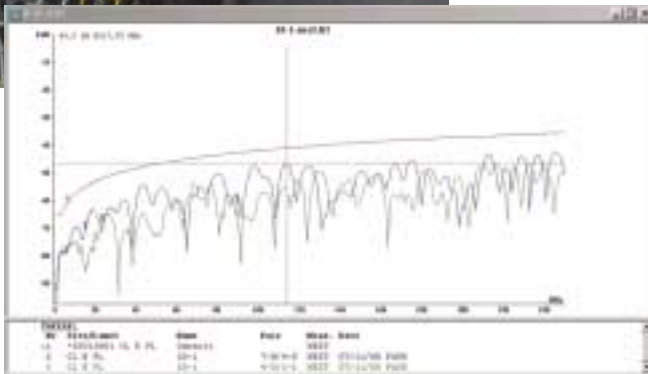


## Management software

Easysoft delivered with the Tester EasyLAN enables to download results performed on site, via the serial RS link. Test reports can be then printed in a short or detailed form.

Port	Pair	Length	Attenuation	Return Loss	Insertion Loss	Pair Length	Pair Attenuation	Pair Return Loss	Pair Insertion Loss
1	1-2	100.00	1.00	1.00	1.00	100.00	1.00	1.00	1.00
2	2-3	100.00	1.00	1.00	1.00	100.00	1.00	1.00	1.00
3	3-4	100.00	1.00	1.00	1.00	100.00	1.00	1.00	1.00
4	4-5	100.00	1.00	1.00	1.00	100.00	1.00	1.00	1.00
5	5-6	100.00	1.00	1.00	1.00	100.00	1.00	1.00	1.00
6	6-7	100.00	1.00	1.00	1.00	100.00	1.00	1.00	1.00
7	7-8	100.00	1.00	1.00	1.00	100.00	1.00	1.00	1.00
8	8-9	100.00	1.00	1.00	1.00	100.00	1.00	1.00	1.00
9	9-10	100.00	1.00	1.00	1.00	100.00	1.00	1.00	1.00
10	10-11	100.00	1.00	1.00	1.00	100.00	1.00	1.00	1.00
11	11-12	100.00	1.00	1.00	1.00	100.00	1.00	1.00	1.00
12	12-13	100.00	1.00	1.00	1.00	100.00	1.00	1.00	1.00
13	13-14	100.00	1.00	1.00	1.00	100.00	1.00	1.00	1.00
14	14-15	100.00	1.00	1.00	1.00	100.00	1.00	1.00	1.00
15	15-16	100.00	1.00	1.00	1.00	100.00	1.00	1.00	1.00
16	16-17	100.00	1.00	1.00	1.00	100.00	1.00	1.00	1.00
17	17-18	100.00	1.00	1.00	1.00	100.00	1.00	1.00	1.00
18	18-19	100.00	1.00	1.00	1.00	100.00	1.00	1.00	1.00
19	19-20	100.00	1.00	1.00	1.00	100.00	1.00	1.00	1.00
20	20-21	100.00	1.00	1.00	1.00	100.00	1.00	1.00	1.00
21	21-22	100.00	1.00	1.00	1.00	100.00	1.00	1.00	1.00
22	22-23	100.00	1.00	1.00	1.00	100.00	1.00	1.00	1.00
23	23-24	100.00	1.00	1.00	1.00	100.00	1.00	1.00	1.00
24	24-25	100.00	1.00	1.00	1.00	100.00	1.00	1.00	1.00
25	25-26	100.00	1.00	1.00	1.00	100.00	1.00	1.00	1.00
26	26-27	100.00	1.00	1.00	1.00	100.00	1.00	1.00	1.00
27	27-28	100.00	1.00	1.00	1.00	100.00	1.00	1.00	1.00
28	28-29	100.00	1.00	1.00	1.00	100.00	1.00	1.00	1.00
29	29-30	100.00	1.00	1.00	1.00	100.00	1.00	1.00	1.00
30	30-31	100.00	1.00	1.00	1.00	100.00	1.00	1.00	1.00
31	31-32	100.00	1.00	1.00	1.00	100.00	1.00	1.00	1.00
32	32-33	100.00	1.00	1.00	1.00	100.00	1.00	1.00	1.00
33	33-34	100.00	1.00	1.00	1.00	100.00	1.00	1.00	1.00
34	34-35	100.00	1.00	1.00	1.00	100.00	1.00	1.00	1.00
35	35-36	100.00	1.00	1.00	1.00	100.00	1.00	1.00	1.00
36	36-37	100.00	1.00	1.00	1.00	100.00	1.00	1.00	1.00
37	37-38	100.00	1.00	1.00	1.00	100.00	1.00	1.00	1.00
38	38-39	100.00	1.00	1.00	1.00	100.00	1.00	1.00	1.00
39	39-40	100.00	1.00	1.00	1.00	100.00	1.00	1.00	1.00
40	40-41	100.00	1.00	1.00	1.00	100.00	1.00	1.00	1.00
41	41-42	100.00	1.00	1.00	1.00	100.00	1.00	1.00	1.00
42	42-43	100.00	1.00	1.00	1.00	100.00	1.00	1.00	1.00
43	43-44	100.00	1.00	1.00	1.00	100.00	1.00	1.00	1.00
44	44-45	100.00	1.00	1.00	1.00	100.00	1.00	1.00	1.00
45	45-46	100.00	1.00	1.00	1.00	100.00	1.00	1.00	1.00
46	46-47	100.00	1.00	1.00	1.00	100.00	1.00	1.00	1.00
47	47-48	100.00	1.00	1.00	1.00	100.00	1.00	1.00	1.00
48	48-49	100.00	1.00	1.00	1.00	100.00	1.00	1.00	1.00
49	49-50	100.00	1.00	1.00	1.00	100.00	1.00	1.00	1.00
50	50-51	100.00	1.00	1.00	1.00	100.00	1.00	1.00	1.00
51	51-52	100.00	1.00	1.00	1.00	100.00	1.00	1.00	1.00
52	52-53	100.00	1.00	1.00	1.00	100.00	1.00	1.00	1.00
53	53-54	100.00	1.00	1.00	1.00	100.00	1.00	1.00	1.00
54	54-55	100.00	1.00	1.00	1.00	100.00	1.00	1.00	1.00
55	55-56	100.00	1.00	1.00	1.00	100.00	1.00	1.00	1.00
56	56-57	100.00	1.00	1.00	1.00	100.00	1.00	1.00	1.00
57	57-58	100.00	1.00	1.00	1.00	100.00	1.00	1.00	1.00
58	58-59	100.00	1.00	1.00	1.00	100.00	1.00	1.00	1.00
59	59-60	100.00	1.00	1.00	1.00	100.00	1.00	1.00	1.00
60	60-61	100.00	1.00	1.00	1.00	100.00	1.00	1.00	1.00
61	61-62	100.00	1.00	1.00	1.00	100.00	1.00	1.00	1.00
62	62-63	100.00	1.00	1.00	1.00	100.00	1.00	1.00	1.00
63	63-64	100.00	1.00	1.00	1.00	100.00	1.00	1.00	1.00
64	64-65	100.00	1.00	1.00	1.00	100.00	1.00	1.00	1.00
65	65-66	100.00	1.00	1.00	1.00	100.00	1.00	1.00	1.00
66	66-67	100.00	1.00	1.00	1.00	100.00	1.00	1.00	1.00
67	67-68	100.00	1.00	1.00	1.00	100.00	1.00	1.00	1.00
68	68-69	100.00	1.00	1.00	1.00	100.00	1.00	1.00	1.00
69	69-70	100.00	1.00	1.00	1.00	100.00	1.00	1.00	1.00
70	70-71	100.00	1.00	1.00	1.00	100.00	1.00	1.00	1.00
71	71-72	100.00	1.00	1.00	1.00	100.00	1.00	1.00	1.00
72	72-73	100.00	1.00	1.00	1.00	100.00	1.00	1.00	1.00
73	73-74	100.00	1.00	1.00	1.00	100.00	1.00	1.00	1.00
74	74-75	100.00	1.00	1.00	1.00	100.00	1.00	1.00	1.00
75	75-76	100.00	1.00	1.00	1.00	100.00	1.00	1.00	1.00
76	76-77	100.00	1.00	1.00	1.00	100.00	1.00	1.00	1.00
77	77-78	100.00	1.00	1.00	1.00	100.00	1.00	1.00	1.00
78	78-79	100.00	1.00	1.00	1.00	100.00	1.00	1.00	1.00
79	79-80	100.00	1.00	1.00	1.00	100.00	1.00	1.00	1.00
80	80-81	100.00	1.00	1.00	1.00	100.00	1.00	1.00	1.00
81	81-82	100.00	1.00	1.00	1.00	100.00	1.00	1.00	1.00
82	82-83	100.00	1.00	1.00	1.00	100.00	1.00	1.00	1.00
83	83-84	100.00	1.00	1.00	1.00	100.00	1.00	1.00	1.00
84	84-85	100.00	1.00	1.00	1.00	100.00	1.00	1.00	1.00
85	85-86	100.00	1.00	1.00	1.00	100.00	1.00	1.00	1.00
86	86-87	100.00	1.00	1.00	1.00	100.00	1.00	1.00	1.00
87	87-88	100.00	1.00	1.00	1.00	100.00	1.00	1.00	1.00
88	88-89	100.00	1.00	1.00	1.00	100.00	1.00	1.00	1.00
89	89-90	100.00	1.00	1.00	1.00	100.00	1.00	1.00	1.00
90	90-91	100.00	1.00	1.00	1.00	100.00	1.00	1.00	1.00
91	91-92	100.00	1.00	1.00	1.00	100.00	1.00	1.00	1.00
92	92-93	100.00	1.00	1.00	1.00	100.00	1.00	1.00	1.00
93	93-94	100.00	1.00	1.00	1.00	100.00	1.00	1.00	1.00
94	94-95	100.00	1.00	1.00	1.00	100.00	1.00	1.00	1.00
95	95-96	100.00	1.00	1.00	1.00	100.00	1.00	1.00	1.00
96	96-97	100.00	1.00	1.00	1.00	100.00	1.00	1.00	1.00
97	97-98	100.00	1.00	1.00	1.00	100.00	1.00	1.00	1.00
98	98-99	100.00	1.00	1.00	1.00	100.00	1.00	1.00	1.00
99	99-100	100.00	1.00	1.00	1.00	100.00	1.00	1.00	1.00
100	100-101	100.00	1.00	1.00	1.00	100.00	1.00	1.00	1.00

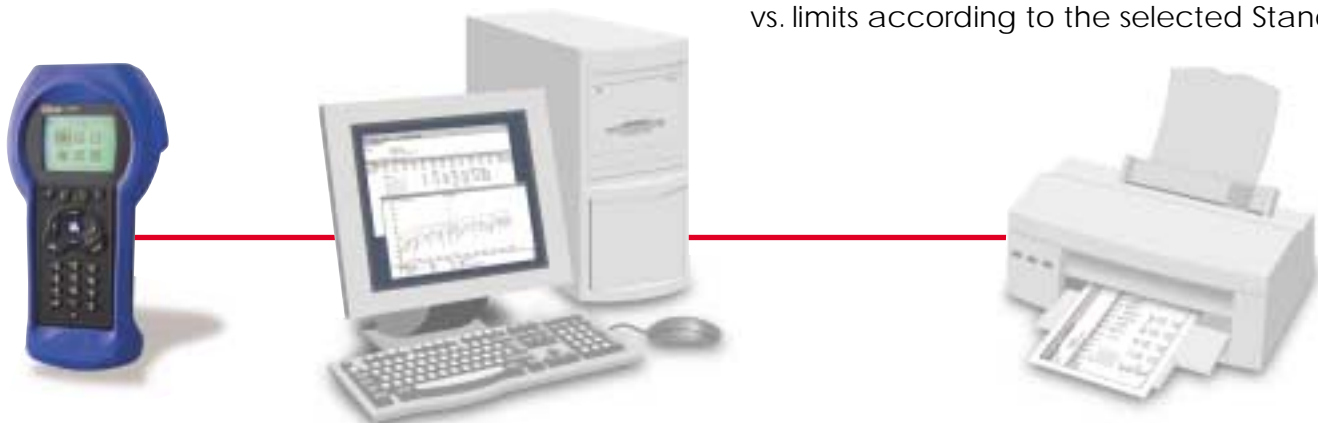
Test Results report



Color Graphical display

## High quality reports

Provide your customer with high quality and professional test reports. The Easysoft organizes professionally all test results facilitating the analyze of cabling quality. The graphical representation includes curves of test data together with the headroom vs. limits according to the selected Standard.





## Technical specifications

### Bandwidth

1 to 300 MHz  
TIA/EIA 568 Level III accuracy

### Test parameters

**Wire map** : Identify miswires  
**Length** : Accuracy  $\pm 0.3$  m  
**Propagation delay** : Accuracy  $\pm 10$  ns  
**Delay skew**  
**DC loop resistance** : Accuracy  $\pm 0.5 \Omega$   
**NEXT, PSNEXT, ELFEXT, PSELFEXT, ACR, PSACR**  
**Return Loss**  
**Attenuation** : According to the selected standard  
**TDR function**  
**Spurious voltage** :  $U < 2$  V

### Test standards

**USA standard** : TIA/EIA 568 category 3, 5, 5E and 6  
**International standard** : ISO/IEC 11801 Class C, D, E  
IEEE 802.3-5  
**European standard** : EN 50173 Class C, D, E  
**Other** : AZ/NZS 3080

### Cabling system

Copper cabling: Coaxial, UTP, FTP, STP, SCTP, SFTP and SSTP.  
Fiber's LAN: multimode and singlemode

### Networks

EasyLAN certifies following networks:  
10BASE-2, 10BASE-5, 10BASE-T, 100BASE-TX, 1000BASE-T, Ethernet, 4Mb-16Mb TOKEN-RING, ATM155/51.

## General characteristics

### Display

LCD graphical display 192x128 pixels.  
Back light function.  
Menu in 5 languages: English, French, German, Italian and Spanish.

### Ports

RS232 serial port SUBD 9.  
Talk set interface with stereo jack.

### Power source

Removable, rechargeable NiMH battery pack.  
Charging time: 3 hours.  
Battery life: 10 hours operation.

### Physical presentation

Dimensions: 260x166x60 mm (tester - remote unit).  
Weight: 1.1 kg/4.6 kg (complete set).  
ABS casing with protection sheath.

### Operating range

0°C to 50°C and 20 to 80% RH without condensation.

## Other features

Memory capacity 1700 autotests.  
Simultaneous management of 10 sites.  
Built-in intercom.



## Ordering information

### LAN TESTER 300 MHz «EasyLAN»

Delivered in standard:

- One tester EasyLAN
- One remote unit
- Two AC power adapters (230V)
- Two Universal Permanent link cables
- Two female RJ45 adapters
- One inter-calibration cable
- One RS232 serial link
- « Easysoft » management software
- User's manual

The complete set delivered in a soft carrying case

### ● ACCESSORIES AND OPTIONS ●

- Removable battery pack AN6010
- Talk set kit ATL305
- Car lighter DC power adapter ATL306
- Two RJ45 measurement cable PL1
- RJ45 female adapter ATL303
- BNC adapter ATL304
- Inter-calibration cable ATL302

For the following accessories, please contact us :

- Cat6/ClassE RJ45 measurement cables
- Optical receiver 850 to 1550 nm
- Source / multimode CF 850 nm
- Source / multimode CF 1300 nm
- Laser source / singlemode CF 1310 nm
- Laser source / singlemode CF 1550 nm
- Optical link adapters : ST/SC/FC/MTJR
- Test report



**AOIP**

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The above mentioned characteristics are subject to change without prior notice

SOFIMAE laboratory on our premises of Ris-Orangis  
\*Ranges available on www.cofrac.fr