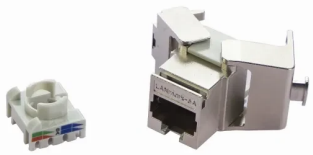
LANmark-6A Snap-In Connector

LANMARK-6A EVO 2.0 SNAP-IN CONNECTOR CATEGORY 6A SCREENED 48PCS/BOX

Aginode Ref: N420.68A-02

- High speed Category 6A shielded connector
- Full compliance with TIA and ISO Category 6A cabling standards
- Superior headroom by use of new engine technology
- Supports PoE++ Type 4 applications delivering up to 90W/71W (IEEE 802.3bt)
- Die-cast housing with 360° shielding offering excellent EMC and Alien Crosstalk performance
- Toolless termination enabling fast and easy installation
- Accepts solid and stranded wire from AWG26 to AWG22
- Easily re-installable
- 3rd party verification for Link and Channel
- UL listed
- Snap-In format convertible to keystone using optional adaptation clip
- Zero plastic packaging - pack of 48 connectors



STANDARDS

EN 50173-1
IEC 60603-7-51
IEEE 802.3af (PoE)
IEEE 802.3bt (PoE++)
IEEE 802.3at (PoE+)
ANSI/TIA 568.2-D
ISO/IEC 11801-1

Design

LANmark EVO 2.0 is 2nd generation of Aginode's Previous EVO Category 6A connector, manufactured and tested to the latest ISO/IEC 11801 and ANSI/TIA-568 standards and designed to meet or exceed the stringent quality and performance criteria needed to support all applications up to 500 MHz, including 10 Gigabit Ethernet.
The LANmark EVO 2.0 connector accepts both solid and stranded copper conductors, with wire sizes from AWG26 to AWG22, supporting all relevant cable types. The EVO 2.0 keeps similar compact dimention of EVO connector to ease the installation, especially work with floor box, faceplates.
1.27 micron (50 microinch) gold plated front contacts offer superior mechanical durability, ensuring at least 2500 plug insertion cycles and supporting Power over Ethernet transmission up to 90W without degrading effect.
A full metal die-cast housing offers the LANmark EVO 2.0 connector immunity against Alien Crosstalk and Electromagnetic Interferences.

Applications

All drawings, designs, specifications, plans and particulars of weights, size and dimensions contained in the technical or commercial documentation of Aginode is indicative only and shall not be binding on Aginode or be treated as constituting a representation on the part of Aginode.

In conjunction with LANmark-6A cable and patch cords, the LANmark EVO 2.0 connector supports all applications specified up to 500 MHz including but not limited to:

- 10 BASE-T Ethernet
- 100 BASE-T Fast Ethernet
- 1000 BASE-T Gigabit Ethernet
- 2.5GBase-T 2.5 Gigabit Ethernet
- 5GBase-T 5 Gigabit Ethernet
- 10G BASE-T 10 Gigabit Ethernet IEEE 802.3
- PoE++ Type 4 (IEEE 802.3bt) including IEC 60512-9-3 (test 9c) and IEC 60512-99-002 (test 99b)
- Future Cat 6A and Class EA applications

Installation

The EVO 2.0 connector is a one-piece design, with a wire organiser as sole accessory, guaranteeing infallible management of the twisted pairs.
Simply closing the connector rear covers ensures fast and effortless IDC termination without the need for any tools.
The installation finishes with laying the cable drain wire in its place in the mass contact clip and fastening the rear around the strain relief. With the improved design of the IDC part, the EVO 2.0 support at least 25 times repeated termination.

The EVO 2.0 connector, with its Snap-In format, is compatible with all LANmark Snap-In structural hardware, such as:

- LANmark Snap-In patch panels (fixed, sliding and angled)
- LANmark Zone Distribution Boxes of 6-port and 12-port
- LANmark Snap-In outlet modules (UK, US, European and German style)

The connector is supplied in a plastic-free packaging of 48.

Performance

LANmark EVO 2.0 connector meets or exceeds the requirements for Category 6A connecting hardware as described in ISO/IEC 11801, IEC 60603-7-51 and ANSI/TIA 568.2-D.
In conjunction with LANmark-6A cable it supports all 2, 3 and 4 connector models as specified in these standards,and also test up to 6 connector models,which is above the standards , as well as very short link and channel configurations, which make it also an ideal solution for Data Centres, avoiding cable length

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excess in the racks.
In addition, extended channel distances can be supported, including PoE, according to the application used.

Independent lab verification

The LANmark-6A EVO 2.0 connector is 3rd party verified for various Link and Channel configurations.

Guarantees

Links and Channels built with LANmark-6A (or higher) cable and EVO 2.0 connector and cords are guaranteed to meet or exceed the requirements of the above mentioned standards.
A full Class EA System Warranty for a period of 25 years, including parts, installation, Channel performance and application support, can be obtained, following the Aginode LANmark Warranty application process.
Traceability codes on connector and packaging ensure quality validation.

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LANmark-6A EVO 2.0 Snap-In Connector Category 6A Screened 48PCS/BOX

Characteristics

Construction characteristics	
Connector type	RJ45 and Tool-less IDC
Screen	Yes
Dimensional characteristics	
Depth	34.5 mm
Height	22.1 mm
Width	16.6 mm
Usage characteristics	
Category	Cat. 6A
Component function	Connector
Range	LANmark-6A

Documentation

Freetable LM6A Channel V2 Part 1_1.xls xls — 20.5 KB Download

Freetable LM6A Channel V2 Part 2_1_1.xls xls — 24.5 KB Download

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