# LANmark-OF Female Plug&Play MPO-LC Module APAC



- Play&Play module with 12 LC or 24 LC connections
- Available in LANmark-OF OM4 multimode and LANmark-OF OS2 singlemode
- Ultra low loss optical performance for multimode and low loss for singlemode
- Module can be easily mounted into Aginode' Plug&Play patch panel
- High density: 4 modules fit into 1U
- Straight, crossed or Universal wiring
- Plug&Play modules are pre-installed and 100 % factory tested

The Plug&Play system consists of 3 subcomponents: the Plug&Play modules, the MPO-MPO Pre-Terms and the Plug&Play patch panel.

The central component is the pre-installed Plug&Play module. The MPO connector at the back of the module connects at once 12 fibres to the MPO-MPO Pre-Term. Inside the module the fibres are spread out towards the LC adaptors at the front.

Up to 4 Plug&Play modules can be installed quickly into the Plug&Play patch panel with push rivets. With these 4 modules a medium density of 48 LC or a high density of 96 LC connections within 1U can be achieved.

The insertion loss for the Plug&Play module is measured according to standard IEC 61300-3-45. The minimum return loss for a MPO connection is measured according to IEC 61300-3-6.

The modules are available with a straight and a crossed wiring and Universal wiring.

For polarity methods A,B, C and U1 of standard TIA-568.3-D following modules and trunks need to be used:

- For a polarity method A implementation with a method A Pre-Term straight modules are used on both sides of the link.
- For a polarity method B implementation with a method B Pre-Term a straight cassette is used on one side of the link and a crossed module on the other side of the link.
- For a polarity method C implementation with a method C Pre-Term straight modules are used on both sides of the link.
- For a polarity method U1 implementation with a method B Pre-term, Universal modules are used on both sides of

*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.*

the link.

The Plug&Play module has standard unpinned (female) connectors. This matches perfectly with the pinned (male) connectors of the MPO-MPO Pre-Term.

Since all connectivity is factory terminated and tested installation times are short facilitating a quick deployment.

*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.*

# LANmark-OF Female Plug&Play MPO-LC Module APAC

## CHARACTERISTICS

| | |
|---|---|
| **Construction characteristics** | |
| Fiber optic type | SingleMode 9/125 |
| Connector type | LC |
| **Dimensional characteristics** | |
| Number of optical fibres | 12 |
| **Transmission characteristics** | |
| Insertion loss, typical value | 0.35 dB |
| Insertion Loss, maximum, dB | 0.5 dB |
| Return Loss, Minimum, dB | 45 dB |

*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.*

# Product list

| | Aginode ref. | Country ref. | Name |
|---|---|---|---|
| | N441.5L12LC0FU | - | LANmark-OF Plug&Play Ultra Low Loss Module Female Universal 12 LC SM Blue |
| | N441.5M12LC0FU | - | LANmark-OF Plug&Play Low Loss Module Female Universal 12 LC SM Blue |
| | N441.5M12LCVFU | - | LANmark-OF Plug&Play Low Loss Module Female Universal 12 LC OM4 Violet |
| | N441.5M24LC0FU | - | LANmark-OF Plug&Play Low Loss Module Female Universal 24 LC SM Blue |
| | N441.5M12LCVFS | - | LANmark-OF Plug&Play Low Loss Module Female Straight 12 LC OM4 Violet |
| | N441.5M24LC4FS | - | LANmark-OF Plug&Play Low Loss Module Female Straight 24 LC OM4 Aqua |
| | N441.5M24LC4FC | - | LANmark-OF Plug&Play Low Loss Module Female Crossed 24 LC OM4 Aqua |
| | N441.5M12LC4FC | - | LANmark-OF Plug&Play Low Loss Module Female Crossed 12 LC OM4 Aqua |
| | N441.5L24LCVFS | - | LANmark-OF Plug&Play Ultra Low Loss Module Female Straight 24 LC OM4 Violet |
| | N441.5L12LCVFS | - | LANmark-OF Plug&Play Ultra Low Loss Module Female Straight 12 LC OM4 Violet |
| | N441.5L24LC4FC | - | LANmark-OF Plug&Play Ultra Low Loss Module Female Crossed 24 LC OM4 Aqua |
| | N441.5L12LCVFC | - | LANmark-OF Plug&Play Ultra Low Loss Module Female Crossed 12 LC OM4 Violet |
| | N441.5M12LC0FS | - | LANmark-OF Plug&Play Low Loss Module Female Straight 12 LC SM Blue |
| | N441.5M24LC0FS | - | LANmark-OF Plug&Play Low Loss Module Female Straight 24 LC SM Blue |
| | N441.5M12LC0FC | - | LANmark-OF Plug&Play Low Loss Module Female Crossed 12 LC SM Blue |
| | N441.5M24LC0FC | - | LANmark-OF Plug&Play Low Loss Module Female Crossed 24 LC SM Blue |
| | N441.5L12LC0FS | - | LANmark-OF Plug&Play Ultra Low Loss Module Female Straight 12 LC SM Blue |
| | N441.5L24LC0FS | - | LANmark-OF Plug&Play Ultra Low Loss Module Female Straight 24 LC SM Blue |
| | N441.5L12LCVFU | - | LANmark-OF Plug&Play Ultra Low Loss Module Female Universal 12 LC OM4 Violet |
| | N441.5L24LC0FU | - | LANmark-OF Plug&Play Ultra Low Loss Module Female Universal 24 LC SM Blue |
| | N441.5L24LCVFU | - | LANmark-OF Plug&Play Ultra Low Loss Module Female Universal 24 LC OM4 Violet |
| | N441.5M24LC4VFU | - | LANmark-OF Plug&Play Low Loss Module Female Universal 24 LC OM4 Violet |
| | N441.5L12LC0FC | - | LANmark-OF Plug&Play Ultra Low Loss Module Female Crossed 12 LC SM Blue |
| | N441.5L24LC0FC | - | LANmark-OF Plug&Play Ultra Low Loss Module Female Crossed 24 LC SM Blue |
| | N441.5L24LC4FU | - | LANmark-OF Plug&Play Ultra Low Loss Module Female Universal 24 LC OM4 Aqua |

= Make to order, = In Stock

*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.*