

## ALLNET ISP Bridge Modem VDSL2 with Vectoring/Point-to-Point Slave-Modem & 2x PoE IEEE802.3at Ports "unmanaged "ALL-MC116SPV-VDSL2"

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### EAN CODE



### Highlights:

- Cost-effective VDSL2 Ethernet unmanaged bridge modem
- Supports VDSL profiles 8a, 8b, 8c, 8d, 12a, 12b, 17a
- Supports 1000Base-X SFP slot
- Supports ITU-T G.993.5 vectoring
- Supports G. INP
- Supports UPBO & DPBO
- Supports compact size and DIN rail mounting (optional bracket see accessories)
- 2x Gigabit ports with PoE according to IEEE802.3at max. 30W per port. = Budget 60W
- Supplied PoE power supply which according to medical certification IEC/EN/UL60601-1 1x MOPP

The ALL-MC116SPV-VDSL2 is a cost-effective unmanaged VDSL2 bridge modem with integrated 2x port PoE switch according to IEEE802.3at with max. 30W per PoE port. It uses the G.993.2 VDSL2 standard technology for data transmission on only one copper cable pair. Data transmission over only a single copper cable pair. The ALL-MC116SPV-VDSL2 is specifically designed to support vectoring for Telcom & ISP to hospitality solutions for operation on DSLAM's. The modem is therefore compatible with standard VDSL2 up to 100Mbit VDSL2 connections. The modem has 2x 10/100/1000Base-T Ethernet ports with PoE IEEE802.3at max. 30W per port. PoE budget = 60W. Thus, this extender offers a flexible solution to extend the LAN network and is perfect for use in buildings, hotels, hospitals or other places outside the range of 10/100/1000Base-T (Ethernet).

Especially the vectoring technology distinguishes the ALL-MC116SPV-VDSL2 from its brothers that it is designed for vectoring connection to a DSLAM, whether it is used for provider ISP or in-house DSLAM later. Important to note, this is an unmanaged device. With unmanaged bridge modems you have NO chance to read out the bandwidth or set VLAN tags etc.. Of course you can read out the data at your DSLAM as they synchronized. The 2x



Part No.: 193137  
Vendor Part No.: ALL-MC116SPV-VDSL2

PoE ports according to IEEE802.3at with max. 30W per port are now still ideal to operate PoE devices such as WLAN access points or PoE tablets up to patient monitors or other end devices in the hospital room/hotel room/nursing homes etc. directly on the two ports.

**Medicine power supply according to IEC60601-1 1x MOPP.**





## Technical Details:

| Element           | Spezifikation                                                                                                                     |
|-------------------|-----------------------------------------------------------------------------------------------------------------------------------|
| Standards:        | IEEE 802.3ab<br>IEEE802.3u<br>IEEE 802.3z                                                                                         |
| Interface:        | <b>2x 10/100/100Base-T RJ45 mit IEEE802.3at PoE Port mit max. 30W pro Port = 60W PoE Budget</b>                                   |
| VDSL2 Interface:  | Comply with ITUT G993.2 VECTORING<br>Connector: RJ-11/Terminal block<br>DMT Encoding/PTM Transmission<br>On-board surge protector |
| Power supply:     | DC 54V AC to DC Medial compliant IEC/EN/UL60601-1<br>1x MOPP switching adapter (including)                                        |
| Power Output:     | 60W Maximum (each LAN port 30W)                                                                                                   |
| LED-Indicators:   | AN:Act/Link, PoE, Overload<br>VDSL2: Act/Link, Line Mode: CO/CPE                                                                  |
| Housing:          | Metal housing                                                                                                                     |
| Dimensions:       | 137 x 100 x 27 mm (5.39" x 3.94" x 1.06")                                                                                         |
| Weight:           | Approximately 0.42Kg only the device                                                                                              |
| Environment:      | 0~50° C (Operating Temperature)<br>-20~70° C (Storage Temperature)<br>10 - 90% (non-condensing Humidity)                          |
| Marks:            | CE, FCC, RoHS Compliant                                                                                                           |
| Package contents: | 1x ALL-MC116SPVDLS2 modem<br>1x external medial compliant IEC/EN/UL60601-1 1x<br>MOPP power supply<br>1x manual                   |

## Accessories

| Part No. | Name                                                                                                |
|----------|-----------------------------------------------------------------------------------------------------|
| 102424   | ALLNET VDSL2 ALL-MC115 & MC116-Serie zbh. HUT-Schienenadapter/DIN-Rail-Adapter                      |
| 200408   | ALLNET point-to-point modem VDSL2 via 2-wire unmanaged "ALL-MC116V2" / Max. 3km with max. 160Mbit/s |
| 213343   | ALLNET Ersatznetzteil 54V/1,85A Medical 5,5mm x 2,1mm                                               |