

# MPH for MINI-LINK™ TN

## All-outdoor microwave transmission solution



The compact MPH is a low-cost, all-outdoor solution for MINI-LINK TN, making it possible to mount a complete high performance end or repeater node on a single pole. The possibility to use two radio units also enables 1+1 protection. The MPH has been designed to operate in both high and low temperatures, enabling MINI-LINK to adapt to a wide range of working conditions.

### Key Benefits

- Compact, easy-to-install, low-cost, outdoor solution.
- Full MINI-LINK TN functionalities
- Efficient logistics from harmonized indoor and outdoor product programs

### System Overview

The MPH is a slim, low-profile, weatherproof unit with room for a MINI-LINK TN two-modem sub-rack. Unlike traditional all-outdoor solutions, this compact, all-outdoor solution uses the same standard radio, sub-rack, and plug-in cards as other MINI-LINK TN products.

### Compact, easy to install, outdoor solution with low visual impact

The MPH is easy to install. One single coaxial cable connects the radio unit to the MPH, offering greatest possible flexibility. In addition; the low visual impact of the MINI-LINK design is especially suitable for placement in towers and on buildings.

### Full MINI-LINK TN functionalities

Traditionally, all-outdoor solutions have limited capacity and support a limited number of frequency bands. MINI-LINK TN is much more flexible. By using standard radio and plug-in units, it can be employed at end and repeater sites, transporting PDH, SDH, and Ethernet traffic at all MINI-LINK frequencies from 6-38 GHz and with bit rates up to 300 Mbit/s using XPIC.

### Efficient logistics

Because the all-outdoor applications use standard radios and plug-in units, operators need not maintain special versions of microwave units and accessories in their stocks and ordering systems. This also eliminates the need for new product training.

## Technical data

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<b>Frequency</b>	6-38 GHz
<b>Capacity</b>	Up to 300 Mbit/s using XPIC
<b>Power supply</b>	-48 and +24 V DC nominal 100-250 V AC (via optional AC/DC converter)

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<b>Power consumption</b>	Radio terminal: 30-110 W (depending on configuration) Basic node: AMM 2p: 11 W <sup>1</sup> 1 including node processor and power filtering
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### Weights and dimension (HxWxD)

MPH including AMM2p B	12 kg, 620x340x135 mm
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<b>Operational temperature</b>	- 25° C to +55° C with 1 MMU2 C - 25° C to +50° C with 2 MMU2 C - 25° C to +50° C with 1 MMU2 D, E, F - 25° C to +45° C with 2 MMU2 D, E, F
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For detailed information and technical data around MINI-LINK TN, please see specific datasheet.

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