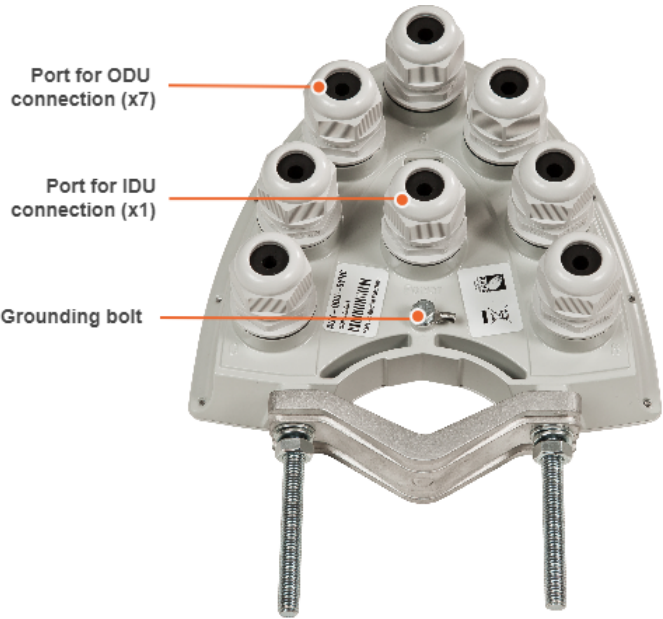


_Synchronization Unit AUX-ODU-SYNC



AUX-ODU-SYNC is a TDD synchronization hub, which has been designed to provide a timing reference to Base Stations sectors of InfiMAN 2x2, InfiMAN Evolution families and InfiLINK 2x2 PRO devices. In combination with Infinet’s proprietary TDMA-based wireless architecture, AUX-ODU-SYNC completes the solution, providing TDD synchronization to its systems, both legacy and newly deployed.

TDD synchronization eliminates self-interference between multiple co-located units and enables frequency re-use within the same site. Infinet’s implementation supports not only intra-, but inter-site synchronization too, thanks to the fact that the timing reference is GNSS-based.

Parameter	Description
Compatible models	<ul style="list-style-type: none">• InfiMAN 2x2 BS: Mmxb(s), Omxb(s), Qmxb• InfiLINK 2x2 PRO family: Mmx(s), Omx(s)• InfiMAN Evolution BS: E5-BSI, E5-BSQ, E5-BSE, E6-BSI, E6-BSE
GNSS receiver	<ul style="list-style-type: none">• Embedded, GPS/GLONASS
GNSS antenna	<ul style="list-style-type: none">• Embedded, active
Water and Dust protection	<ul style="list-style-type: none">• IP66 and IP67
Consumption, W	<ul style="list-style-type: none">• up to 4
Input voltage, VDC	<ul style="list-style-type: none">• ±19..±56
PoE type	<ul style="list-style-type: none">• Passive PoE (4,5,7,8 Ethernet pins used)

Interfaces and connectors	<ul style="list-style-type: none"> • Port 0-6: sync outs (7 RJ-45 connectors to connect to ODU with special cable CAB-SYNC or CAB-SYNC-E depends on model family) • Power: DC input (1 RJ-45 connector)
Compatible Infinet Wireless power supplies	<ul style="list-style-type: none"> • IDU-CPE (supplied by default) • IDU-BS-G • IDU-BS-G(60W) • IDU-CPE-G(24W) • AUX-ODU-INJ-G • IDU-LA-G(V.01)
Temperature range	<ul style="list-style-type: none"> • ODU: -40...+60°C • IDU: 0...+40°C
Size and Weight	<ul style="list-style-type: none"> • 180x170x75mm, 0.65kg
Indicators	<p>Indicators is located near the power port of AUX-ODU-SYNC:</p> <ul style="list-style-type: none"> • POWER - power. • SYNC - TDD synchronization.

Table - AUX-ODU-SYNC specification