





KEY BENEFITS

- Extend service coverage and minimize DU resources needed by grouping RUs into one virtual cell.
- Future-proofed for 5G with ultra-low forwarding latency, high precision frequency and phase timing synchronizations.
- Suitable for open fronthaul application and compliant to O-RAN standard.

KEY FEATURES

- Jumbo frame size up to 9000 bytes
- Supports O-RAN Cascade-FHM mode
- Various fiber length delay compensation
- Configurable data compression mode
- Configurable IQ data width
- Configurable U/C plane VLAN ID
- CLI/SNMP/NETCONF management protocol
- Supports full SyncE and IEEE 1558V2 (T-GM**, T-BC**, and T-TC)
- Integrated Stratum 3E OCXO with Class C timing support
- Rich timing interfaces: ToD, 1PPS, BITS, 10MHz, and GNSS**

SPECIFICATIONS

PHYSICAL

• 8 x 10G SFP+ ports to O-RU (support for up to 4T/4R antenna setups)

4 x 10G SFP+ ports to O-DU*

2 x 100G QSFP28 (Reserved)

1 x USB port(for debug)

• 1 x RJ45 serial console port

• 2 x 100/1000M RJ45 managment port

ARM Cortex-A53 4-Core 64-bit @ 1.0GHz Processor Intel S10-TX(for O-RAN shared cell function) **FPGA**

Memory 4GB DDR4

1 x GNSS input SMA(**) **Timing** 1 x 1PPS input/output SMB Interfaces

1 x 10MHz input/output SMB 1 x BITS input/output RJ48 1 x ToD input/output RJ45

Stratum 3E OCXO Timing

ITU-T Synchronous Ethernet (SyncE) Capabilities

IEEE 1588v2 T-TC (G.8275.1, T-BC, T-GM, and G.8264 ESMC will be available with future

premium versions)

Chassis 1 RU, 440 x 250 x 43.5 mm or (WxDxH) 17.32" x 9.84" x 1.71"

Net weight: 4.18 kg. or 9.21 lbs.

Hot swappable, 1+1 redundant PSUs Redundancy

4 Fixed Fans FAN

*Only port 8 is available to use for now, port 9-11 are reserved **To be available with future premium versions and can be activated with a software license key

ENVIRONMENTAL

AC input: 100 ~ 240V, 3A **Power Supply**

> DC input: -36 ~ -75V, 8A Max power: 103.9 Watts

Max. Operating

Specs.

Operating temperature: -40°C to 70°C (-40°F to 158°F)

Operating humidity: 5% to 95% (RH), noncondensing

Max. Non-Operating

Specs.

Storage temperature: -40°C to 70°C (-40°F to 158°F)

Storage humidity: 5% to 93% (RH), non-condensing

PERFORMANCE

One FHM supports up to 8 RUs. Coverage

Cascading can be used to extend coverage.

REGULATORY COMPLIANCE

Safety UI 62368-1 IEC62368-1

BSMI

EMC FCC Part 15, Subpart B, Class A

ICES-003, Class A EN 55032, Class A EN 300 386 EN 55035

EN 301 489 EN 303 413 **BSMI**

VCCI CISPR 32, Class A KS C 9832, Class A; KS C 9835

Specifications are subject to change without notice.

M3000-14XC

M3000-14XC Front and Back Views





SUPPORTED ACCESSORIES

Transceivers

10G SFP+ SR, 10G SFP+ LR, 10G SFP+ ER

Cable Types

SMA coaxial cable with 1/4-36UNS-2B connector for GNSS SMB coaxial cable with 10-32UNF-2A connector for 1PPS and 10MHz Shield cable with RJ45 for ToD Shield cable with RJ48 for BITS

Power Supply Types

PSU-201-DISB, 200W DC PSU, intake air flow PSU-201-AISB, 200W AC PSU, intake air flow



Networking

Telecom