



# EONTECH 6000 PtMP

Ride the EONTECH 6000 PtMP Wireless Highway

The EONTECH 6000 series is a Point-to-Multipoint (PtMP) solution with a unique air interface that ensures robust performance in harsh spectrum conditions.

This cost-effective solution delivers up to 250 Mbps and is greatly suitable for last mile enterprise and residential connectivity in rural and low-density areas when budget is limited.



## **EONTECH 6000**

## **Applications**

#### **CARRIERS & ISPS**

EONTECH 6000 PtMP is an excellent revenue generator for carriers and ISPs that are looking to deploy last mile enterprise connectivity and deliver high-capacity broadband access to end users.

Carriers can leverage EONTECH 6000 PtMP capabilities and nLOS outstanding performance to backhaul wireless and landline access systems such as Wi-Fi hot spots.

#### **GOVERNMENT & ENTERPRISE NETWORKS**

EONTECH 6000 PtMP offers exclusive wireless broadband infrastructure for government and enterprise networks to dramatically reduce their total cost of ownership when implementing the following applications:

- » Connectivity of high resolution video surveillance
- » Wide range inter-office connectivity
- » Mission critical broadband applications



## EN-6BG6-7765



## **EONTECH JET, JET PRO Model**

Sector Base Station - Data Sheet
(EN6000/HBS-Pro/6BG6/F54/TH/JET/INT)



Sector Base Station

EN-6BG6-7765

### **Product Description**

EN-6BG6-7765 is a sector Base Station radio unit (HBS) that provides up to 750 Mbps net aggregate throughput while delivering access connectivity for up to 64 Subscriber Units (HSU).

EN-6BG6-7765 supports 5.4 to 5.8 GHz and complies with TH regulations.

The radio comes with a smart beamforming integrated antenna with embedded GPS.

Bi-Beam air interface.

## **Product Highlights**

- Base station with smart beamforming antenna
- Up to 750 Mbps net aggregated throughput
- Long range Up to 40 km / 25 miles
- Supports up to 64 HSUs
- Guaranteed Service Level Agreement (SLA) per HSU
- Exceptional short and constant latency
- Single radio supporting multiple bands
- Advanced MIMO, OFDM and Diversity technologies
- Robust and reliable operation in harsh conditions, extreme temperatures and nonline - of-sight scenarios
- Ease of operation and maintenance

#### Certificate







Ordering Info

Part Number: EN-6BG6-7754

Description: EONTECH JET-PRO 750 ODU, with a smart beamforming integrated antenna with embedded GPS, supporting multi frequency bands at 5.x GHz, factory default 5.8 GHz TH.



Configuration				
Architecture	Outdoor Unit with a smart beamforming integrated antenna with embedded GPS			
PoE to ODU Interface	Outdoor CAT-5e; Maximum cable length: 100m for 10/100BaseT and 75m for 1000BaseT			
Radio	750 Million and the state of th			
Max Capacity	750 Mbps net aggregate throughput			
Subscriber Units support	Up to 64 subscriber units			
Range Channel Bandwidth	Range Up to 40 km / 25 miles			
Modulation	Configurable: 10, 20 MHz (for the default band)			
Adaptive Modulation & Coding	MIMO-OFDM (BPSK/QPSK/16QAM/64QAM/256QAM)			
Smart Bandwidth Management (DBA)	Supported			
DFS	Supported Not Supported			
Diversity	Not Supported Supported			
Max Tx Power	25 dBm; max EIRP 30 dBm (for the default band)			
Duplex Technology	TDD			
Error Correction	FEC k = 1/2, 2/3, 3/4, 5/6			
Encryption	AES 128			
Support Indoor units	EONTECH PoE devices (EN-0032-212X)			
Uplink / Downlink Allocation	Configurable: Symmetric or Asymmetric			
End to End Latency	Typical: 3.5msec @ 2 SUs; 20msec @ 64 HSUs			
Layer 2	Bridging learning of 5K MAC addresses			
QoS	Packet classification to 4 priority queues according to 802.1P or Diffserv			
VLAN Support	802.1Q, QinQ, 4094 VLANs			
TDD Intra Site Synchronization	Supported			
TDD Inter Site Synchronization	Supported through common GPS receiver per site			
ODU Management	Pv4/IPv6 dual-stack; SNMPv1, SNMPv3; HTTP/HTTPS using web browser			
802.1x	Supported			
Option 82	Supported			
IGMP snooping	Supported			
Nomadic subscribers	Supported			
RADIUS Authorization	Supported			
RADIUS User authentication	Supported			
Syslog	Supported			
Supported Bands				
Band	CBW 10MHz [GHz]   CBW 20MHz [GHz]   CBW 40MHz [GHz]   CBW 80MHz [GHz]   Radio Compliance			
FOCUL TU				
5.8 GHz TH	5.725-5.850 5.725-5.850 5.725-5.850 N/A			
Mechanical	5.725-5.850 5.725-5.850 5.725-5.850 N/A			
Mechanical ODU Dimensions	5.725-5.850 5.725-5.850 5.725-5.850 N/A 35.6(w) x 22.5(h) x 9.4(d) cm			
Mechanical ODU Dimensions ODU Weight	5.725-5.850 5.725-5.850 5.725-5.850 N/A			
Mechanical ODU Dimensions ODU Weight Power	5.725-5.850 5.725-5.850 5.725-5.850 N/A  35.6(w) x 22.5(h) x 9.4(d) cm  3.3 kg / 7.28 lbs			
Mechanical ODU Dimensions ODU Weight Power Power Feeding	5.725-5.850 5.725-5.850 5.725-5.850 N/A  35.6(w) x 22.5(h) x 9.4(d) cm  3.3 kg / 7.28 lbs  Power provided over ODU-IDU cable			
Mechanical ODU Dimensions ODU Weight Power Power Feeding Power Consumption	5.725-5.850 5.725-5.850 5.725-5.850 N/A  35.6(w) x 22.5(h) x 9.4(d) cm  3.3 kg / 7.28 lbs			
Mechanical ODU Dimensions ODU Weight Power Power Feeding Power Consumption Environmental	5.725-5.850 5.725-5.850 5.725-5.850 N/A  35.6(w) x 22.5(h) x 9.4(d) cm  3.3 kg / 7.28 lbs  Power provided over ODU-IDU cable			
Mechanical ODU Dimensions ODU Weight Power Power Feeding Power Consumption Environmental Operating Temperatures	5.725-5.850 5.725-5.850 5.725-5.850 N/A  35.6(w) x 22.5(h) x 9.4(d) cm  3.3 kg / 7.28 lbs  Power provided over ODU-IDU cable  <30W  -35°C to 60°C / -31°F to 140°F			
Mechanical ODU Dimensions ODU Weight Power Power Feeding Power Consumption Environmental	5.725-5.850 5.725-5.850 5.725-5.850 N/A  35.6(w) x 22.5(h) x 9.4(d) cm  3.3 kg / 7.28 lbs  Power provided over ODU-IDU cable  <30W			
Mechanical ODU Dimensions ODU Weight Power Power Feeding Power Consumption Environmental Operating Temperatures Humidity	5.725-5.850 5.725-5.850 5.725-5.850 N/A  35.6(w) x 22.5(h) x 9.4(d) cm  3.3 kg / 7.28 lbs  Power provided over ODU-IDU cable  <30W  -35°C to 60°C / -31°F to 140°F			
Mechanical ODU Dimensions ODU Weight Power Power Feeding Power Consumption Environmental Operating Temperatures Humidity Safety	5.725-5.850 5.725-5.850 5.725-5.850 N/A  35.6(w) x 22.5(h) x 9.4(d) cm  3.3 kg / 7.28 lbs  Power provided over ODU-IDU cable  <30W  -35°C to 60°C / -31°F to 140°F  100% condensing, IP67 (totally protected against dust and against immersion in water up to 1m)			
Mechanical ODU Dimensions ODU Weight Power Power Feeding Power Consumption Environmental Operating Temperatures Humidity Safety US/CAN (cTUVus)	5.725-5.850 5.725-5.850 5.725-5.850 N/A  35.6(w) x 22.5(h) x 9.4(d) cm  3.3 kg / 7.28 lbs  Power provided over ODU-IDU cable <30W  -35°C to 60°C / -31°F to 140°F  100% condensing, IP67 (totally protected against dust and against immersion in water up to 1m)  UL 60950-1, UL 60950-22, CAN/CSA C22.2 60950-1, CAN/CSA C22.2 60950-22			
Mechanical ODU Dimensions ODU Weight Power Power Feeding Power Consumption Environmental Operating Temperatures Humidity Safety US/CAN (cTUVus) CE/IEC	5.725-5.850 5.725-5.850 5.725-5.850 N/A  35.6(w) x 22.5(h) x 9.4(d) cm  3.3 kg / 7.28 lbs  Power provided over ODU-IDU cable <30W  -35°C to 60°C / -31°F to 140°F  100% condensing, IP67 (totally protected against dust and against immersion in water up to 1m)  UL 60950-1, UL 60950-22, CAN/CSA C22.2 60950-1, CAN/CSA C22.2 60950-22  EN/IEC 60950-1, EN/IEC 60950-22			
Mechanical ODU Dimensions ODU Weight Power Power Feeding Power Consumption Environmental Operating Temperatures Humidity Safety US/CAN (cTUVus) CE/IEC EMC FCC ETSI	5.725-5.850 5.725-5.850 5.725-5.850 N/A  35.6(w) x 22.5(h) x 9.4(d) cm  3.3 kg / 7.28 lbs  Power provided over ODU-IDU cable <30W  -35°C to 60°C / -31°F to 140°F 100% condensing, IP67 (totally protected against dust and against immersion in water up to 1m)  UL 60950-1, UL 60950-22, CAN/CSA C22.2 60950-1, CAN/CSA C22.2 60950-22 EN/IEC 60950-1, EN/IEC 60950-22  47 CFR, Part15, Subpart B, Class B EN 300 386, EN 301 489-1, EN 301 489-4			
Mechanical ODU Dimensions ODU Weight Power Power Feeding Power Consumption Environmental Operating Temperatures Humidity Safety US/CAN (cTUVus) CE/IEC EMC FCC ETSI CAN/CSA-CEI/IEC	5.725-5.850 5.725-5.850 5.725-5.850 N/A  35.6(w) x 22.5(h) x 9.4(d) cm  3.3 kg / 7.28 lbs  Power provided over ODU-IDU cable <30W  -35°C to 60°C / -31°F to 140°F  100% condensing, IP67 (totally protected against dust and against immersion in water up to 1m)  UL 60950-1, UL 60950-22, CAN/CSA C22.2 60950-1, CAN/CSA C22.2 60950-22  EN/IEC 60950-1, EN/IEC 60950-22			
Mechanical ODU Dimensions ODU Weight Power Power Feeding Power Consumption Environmental Operating Temperatures Humidity Safety US/CAN (cTUVus) CE/IEC EMC FCC ETSI CAN/CSA-CEI/IEC Network	5.725-5.850			
Mechanical ODU Dimensions ODU Weight Power Power Feeding Power Consumption Environmental Operating Temperatures Humidity Safety US/CAN (cTUVus) CE/IEC EMC FCC ETSI CAN/CSA-CEI/IEC Network Protocals	5.725-5.850 5.725-5.850 5.725-5.850 N/A  35.6(w) x 22.5(h) x 9.4(d) cm  3.3 kg / 7.28 lbs  Power provided over ODU-IDU cable <30W  -35°C to 60°C / -31°F to 140°F 100% condensing, IP67 (totally protected against dust and against immersion in water up to 1m)  UL 60950-1, UL 60950-22, CAN/CSA C22.2 60950-1, CAN/CSA C22.2 60950-22 EN/IEC 60950-1, EN/IEC 60950-22  47 CFR, Part15, Subpart B, Class B EN 300 386, EN 301 489-1, EN 301 489-4			
Mechanical ODU Dimensions ODU Weight Power Power Feeding Power Consumption Environmental Operating Temperatures Humidity Safety US/CAN (cTUVus) CE/IEC EMC FCC ETSI CAN/CSA-CEI/IEC Network Protocals Orther	5.725-5.850			
Mechanical ODU Dimensions ODU Weight Power Power Feeding Power Consumption Environmental Operating Temperatures Humidity Safety US/CAN (cTUVus) CE/IEC EMC FCC ETSI CAN/CSA-CEI/IEC Network Protocals Orther Channel Selection	5.725-5.850			
Mechanical ODU Dimensions ODU Weight Power Power Feeding Power Consumption Environmental Operating Temperatures Humidity Safety US/CAN (cTUVus) CE/IEC EMC FCC ETSI CAN/CSA-CEI/IEC Network Protocals Orther Channel Selection Integrated Antenna	5.725-5.850			
Mechanical ODU Dimensions ODU Weight Power Power Feeding Power Consumption Environmental Operating Temperatures Humidity Safety US/CAN (cTUVus) CE/IEC EMC FCC ETSI CAN/CSA-CEI/IEC Network Protocals Orther Channel Selection Integrated Antenna Gain	5.725-5.850			
Mechanical ODU Dimensions ODU Weight Power Power Feeding Power Consumption Environmental Operating Temperatures Humidity Safety US/CAN (cTUVus) CE/IEC EMC FCC ETSI CAN/CSA-CEI/IEC Network Protocals Orther Channel Selection Integrated Antenna Gain VSWR	5.725-5.850			
Mechanical ODU Dimensions ODU Weight Power Power Feeding Power Consumption Environmental Operating Temperatures Humidity Safety US/CAN (cTUVus) CE/IEC EMC FCC ETSI CAN/CSA-CEI/IEC Network Protocals Orther Channel Selection Integrated Antenna Gain VSWR 3 dB Azimuth Beamwidth	5.725-5.850			
Mechanical ODU Dimensions ODU Weight Power Power Feeding Power Consumption Environmental Operating Temperatures Humidity Safety US/CAN (cTUVus) CE/IEC EMC FCC ETSI CAN/CSA-CEI/IEC Network Protocals Orther Channel Selection Integrated Antenna Gain VSWR 3 dB Azimuth Beamwidth Polarization	5.725-5.850			
Mechanical ODU Dimensions ODU Weight Power Power Feeding Power Consumption Environmental Operating Temperatures Humidity Safety US/CAN (cTUVus) CE/IEC EMC FCC ETSI CAN/CSA-CEI/IEC Network Protocals Orther Channel Selection Integrated Antenna Gain VSWR 3 dB Azimuth Beamwidth Polarization Sidelobes Level	5.725-5.850			
Mechanical ODU Dimensions ODU Weight Power Power Feeding Power Consumption Environmental Operating Temperatures Humidity Safety US/CAN (cTUVus) CE/IEC EMC FCC ETSI CAN/CSA-CEI/IEC Network Protocals Orther Channel Selection Integrated Antenna Gain VSWR 3 dB Azimuth Beamwidth Polarization Sidelobes Level Cross Polarization	S.725-5.850   S.725-5.850   S.725-5.850   S.725-5.850   N/A     35.6(w) x 22.5(h) x 9.4(d) cm     3.3 kg / 7.28 lbs     Power provided over ODU-IDU cable     <30W     -35°C to 60°C / -31°F to 140°F     100% condensing, IP67 (totally protected against dust and against immersion in water up to 1m)     UL 60950-1, UL 60950-22, CAN/CSA C22.2 60950-1, CAN/CSA C22.2 60950-22     EN/IEC 60950-1, EN/IEC 60950-22     47 CFR, Part15, Subpart B, Class B     EN 300 386, EN 301 489-1, EN 301 489-4     CISPR 22-2010 Class B     SNMP, Web Interface     Automatic Channel Selection (ACS)     20 dBi     2.0:1     90 Deg. (typ)     Dual Linear (Vertical and Horizontal)     -12 dB(typ)     -30dB (typ)			
Mechanical ODU Dimensions ODU Weight Power Power Feeding Power Consumption Environmental Operating Temperatures Humidity Safety US/CAN (cTUVus) CE/IEC EMC FCC ETSI CAN/CSA-CEI/IEC Network Protocals Orther Channel Selection Integrated Antenna Gain VSWR 3 dB Azimuth Beamwidth Polarization Sidelobes Level Cross Polarization F/B Ratio	5.725-5.850			
Mechanical ODU Dimensions ODU Weight Power Power Feeding Power Consumption Environmental Operating Temperatures Humidity Safety US/CAN (cTUVus) CE/IEC EMC FCC ETSI CAN/CSA-CEI/IEC Network Protocals Orther Channel Selection Integrated Antenna Gain VSWR 3 dB Azimuth Beamwidth Polarization Sidelobes Level Cross Polarization	S.725-5.850   S.725-5.850   S.725-5.850   S.725-5.850   N/A     35.6(w) x 22.5(h) x 9.4(d) cm     3.3 kg / 7.28 lbs     Power provided over ODU-IDU cable     <30W     -35°C to 60°C / -31°F to 140°F     100% condensing, IP67 (totally protected against dust and against immersion in water up to 1m)     UL 60950-1, UL 60950-22, CAN/CSA C22.2 60950-1, CAN/CSA C22.2 60950-22     EN/IEC 60950-1, EN/IEC 60950-22     47 CFR, Part15, Subpart B, Class B     EN 300 386, EN 301 489-1, EN 301 489-4     CISPR 22-2010 Class B     SNMP, Web Interface     Automatic Channel Selection (ACS)     20 dBi     2.0:1     90 Deg. (typ)     Dual Linear (Vertical and Horizontal)     -12 dB(typ)     -30dB (typ)			

Datasheet information can be changed by manufacturer without prior notice



## EN-3765-D211



## **EONTECH D Plus Model**

Point-to-Point Radio - Data Sheet (EN-3000/ODU/DP/F54/TH/INT)



Point-to-Point Radio

EN-3765-D211

### **Product Description**

EN-3765-D211 is a carrier-class radio that belongs to the EONTECH 3000 D-Plus Series and supports 5.4 to 5.8 GHz frequency range.

The Radio complies with TH regulations with a factory default of 5.8 GHz TH.

EN-3765-D211 delivers up to 750 Mbps throughput.

The radio comes with an integrated antenna.

### **Product Highlights**

- 750 Mbps Ethernet net throughput
- Long range Up to 40 km / 25 miles
- Telco-grade, extremely robust in harsh conditions
- Supports intra-site and inter-site synchronization to maximize capacity
- Configurable asymmetric throughput
- Advanced OFDM & MIMO technologies for operation in nLOS/NLOS and dense radio environments

#### Certificate







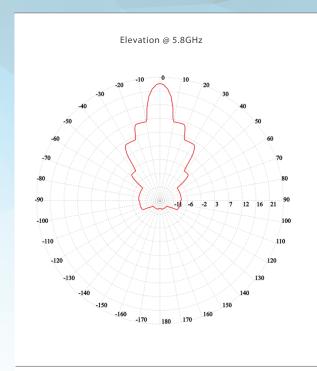


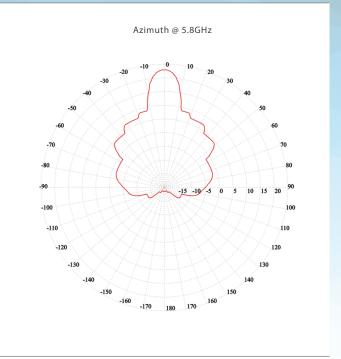
Outdoor Hair til	an internate desire			
Outdoor CAT-5e; Maximum cable length: 100m for 10/100BaseT and 75m for 1000BaseT				BaseT
· ·				
3 1				
			nic Channel BW selec	tion (20/40/80 M
	MIMO-OFDM (BPSK/QPSK/16QAM/64QAM/256QAM)			
Supported upon power up				
Not Supported				
Supported				
	Supported			
· · · · · · · · · · · · · · · · · · ·	0 dBm (for the defaul	t band)		
	1, 5/6			
		according to 802.1P	or Diffserv	
-,,	VLANs			
Supported through	common GPS receive	r per site		
	; SNMPv1, SNMPv3; H	TTP/HTTPS using web	o browser	
Supported	Supported			
Supported				
Supported				
Supported				
CBW 10MHz [GHz]	CBW 20MHz [GHz]	CBW 40MHz [GHz]	CBW 80MHz [GHz]	Radio Compliance
5.725-5.850	5.725-5.850	5.725-5.850	5.725-5.850	N/A
	) cm			
2.9 kg / 6.39 lbs				
Power provided over	er ODU-IDU cable			
<20W				
100% condensing, IP67 (totally protected against dust and against immersion in water up to 1m)				rater up to 1m)
UL 60950-1, UL 60950-22, CAN/CSA C22.2 60950-1, CAN/CSA C22.2 60950-22				
EN/IEC 60950-1, EN/IEC 60950-22				
47 CFR, Part15, Subpart B, Class B				
EN 300 386, EN 301 489-1, EN 301 489-4				
CISPR 22-2010 Class	CISPR 22-2010 Class B			
Automatic Channel	Selection (ACS)			
20 dBi				
2.0:1				
90 Deg. (typ)				
Dual Linear (Vertica	l and Horizontal)			
-12 dB(typ)				
****				
-30dB (typ) -25 dB				
	Outdoor CAT-5e; March 1988   750 Mbps net aggre Up to 40 km / 25 mi Range Up to 40 km / 25 mi Range Up to 40 km Configurable: 10, 20 MIMO-OFDM (BPSK, Supported Supported Supported Supported 25 dBm; max EIRP 3 TDD FEC k = 1/2, 2/3, 3/4 AES 128 EONTECH POE devic Configurable: Symn Packet classification 802.1Q, QinQ, 4094 Supported Suppo	Outdoor CAT-5e; Maximum cable length:  750 Mbps net aggregate throughput Up to 40 km / 25 miles Range Up to 40 km / 25 miles Configurable: 10, 20, 40, 80 MHz (for the MIMO-OFDM (BPSK/QPSK/16QAM/64QAM Supported Supported Supported Supported Supported Supported 25 dBm; max EIRP 30 dBm (for the defaul TDD FEC k = 1/2, 2/3, 3/4, 5/6 AES 128 EONTECH POE devices (EN-0032-212X) Configurable: Symmetric or Asymmetric Packet classification to 4 priority queues 802.1Q, QinQ, 4094 VLANs Supported  CBW 10MHz [GHz] 5.725-5.850  30(w) x 30(h) x 10(d) cm 2.9 kg / 6.39 lbs  Power provided over ODU-IDU cable <20W  -35°C to 60°C / -31°F to 140°F 100% condensing, IP67 (totally protected) UL 60950-1, UL 60950-22, CAN/CSA C22.2 EN/IEC 60950-1, EN/IEC 60950-22  47 CFR, Part15, Subpart B, Class B EN 300 386, EN 301 489-1, EN 301 489-4 CISPR 22-2010 Class B  Automatic Channel Selection (ACS)  20 dBi 2.0:1 90 Deg. (typ) Dual Linear (Vertical and Horizontal)	750 Mbps net aggregate throughput Up to 40 km / 25 miles Range Up to 40 km / 25 miles Configurable: 10, 20, 40, 80 MHz (for the default band); Dynan MIMO-OFDM (BPSK/QPSK/16QAM/64QAM/256QAM) Supported Supported Supported Supported Supported 25 dBm; max EIRP 30 dBm (for the default band) TDD FEC k = 1/2, 2/3, 3/4, 5/6 AES 128 EONTECH POE devices (EN-0032-212X) Configurable: Symmetric or Asymmetric Packet classification to 4 priority queues according to 802.1P. 802.1Q, QinQ, 4094 VLANs Supported Supported Supported through common GPS receiver per site Pv4/IPv6 dual-stack; SNMPv1, SNMPv3; HTTP/HTTPS using well supported Su	Outdoor CAT-5e; Maximum cable length: 100m for 10/100BaseT and 75m for 1000  750 Mbps net aggregate throughput Up to 40 km / 25 miles Range Up to 40 km / 25 miles Configurable: 10, 20, 40, 80 MHz (for the default band); Dynamic Channel BW select MIMO-OFDM (BPSK/QPSK/16QAM/64QAM/256QAM) Supported Supported Supported Supported 25 dBm; max EIRP 30 dBm (for the default band) TDD FEC k = 1/2, 2/3, 3/4, 5/6 AES 128 EONTECH PoE devices (EN-0032-212X) Configurable: Symmetric or Asymmetric Packet classification to 4 priority queues according to 802.1P or Diffserv 802.1Q, QinQ, 4094 VLANs Supported Supported through common GPS receiver per site Pv4/IPV6 dual-stack; SNMPv1, SNMPv3; HTTP/HTTPS using web browser Supported  CBW 10MHz [GHz] CBW 20MHz [GHz] CBW 40MHz [GHz] CBW 80MHz [GHz] 5.725-5.850 5.725-5.850 5.725-5.850  30(w) x 30(h) x 10(d) cm 2.9 kg / 6.39 lbs  Power provided over ODU-IDU cable <20W  -35°C to 60°C / -31°F to 140°F 100% condensing, IP67 (totally protected against dust and against immersion in w UL 60950-1, UL 60950-22, CAN/CSA C22.2 60950-1, CAN/CSA C22.2 60950-22 EN/IEC 60950-1, EN/IEC 60950-22  47 CFR, Part15, Subpart B, Class B EN 300 386, EN 301 489-1, EN 301 489-4 CISPR 22-2010 Class B  Automatic Channel Selection (ACS)  Dual Linear (Vertical and Horizontal)











Ordering Info

Part Number: EN-3765-D211

Description: EONTECH 3000 D-Plus, with integrated antenna

, supporting multi frequency bands at 5.x GHz, factory default 5.8 GHz TH.

Datasheet information can be changed by manufacturer without prior notice



## EN-6761-OP65



**EONTECH Subscriber Units, SU PRO Model** 

Subscriber Unit - Data Sheet (EN-6000/SU-Pro/5650/F54/UNI/EMB)



Subscriber Unit

EN-6761-OP65

### **Product Description**

EN-6761-OP65 is SU PRO, Connectorized subscriber unit that delivers up to 50 Mbps net aggregate throughput and supports SLA (CIR) or Best-Effort service level. SU PRO supports 4.9 to 6 GHz and complies with Universal, FCC/IC, MII & UBR, TH regulations.

The unit includes an embedded antenna and connectors (2 x SMA) for the high gain slideon TurboGain antenna. The connectors can be used for 3rd party external antenna.

#### Certificate







### **Product Highlights**

- Up to 50 Mbps net aggregated throughput, upgradable to 250Mbps
- Long range Up to 40 km / 25 miles
- Guaranteed Service Level Agreement based on CIR or Best Effort Service level
- Multiple Antenna configuration: 16dBi embedded antenna,
   22dBi antenna when using the TurboGain antenna, and
   3rd party external antenna
- Short and constant latency
- Advanced MIMO, OFDM and Antenna Diversity
- Robust and reliable operation in harsh environmental conditions including obstructed line-of-sight scenarios
- IP-66
- Simplified installation using a Smartphone app.

Ordering Info

Part Number : EN-6761-OP65

Description: EONTECH SU-PRO 50 ODU, with an embedded antenna and connectorized for external antenna (2 x SMA), supporting multi frequency bands at 5.x GHz, factory default 5.8 GHz TH.

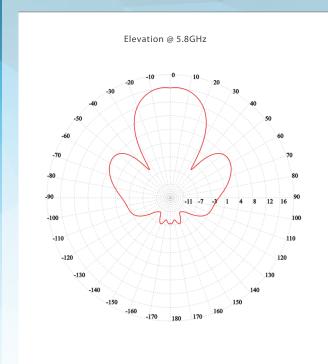


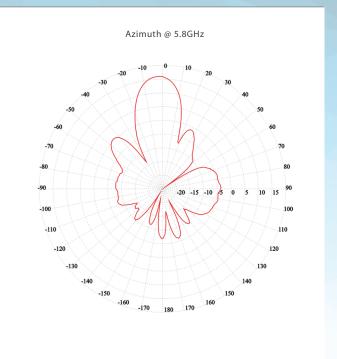
Configuration						
Architecture	Outdoor Unit with an embedded antenna and connectos for external antenna (2 x SMA)					
PoE to ODU Interface	Outdoor CAT-5e; Maximum cable length: 100m for 10/100BaseT and 75m for 1000BaseT					
Radio	·					
Max Capacity	50 Mbps net aggreg	50 Mbps net aggregate throughput; Upgradable to 250 Mbps with license key				
Range	Up to 40 km / 25 miles					
Channel Bandwidth	Configurable: 10, 20,	Configurable: 10, 20, 40, 80 MHz (for the default band); Dynamic Channel BW selection (20/40/80 MHz)				
Modulation	MIMO-OFDM (BPSK/	'QPSK/16QAM/64QAN	1/256QAM)			
Adaptive Modulation & Coding	Supported					
DFS	Not Supported					
Diversity	Supported					
Max Tx Power	24 dBm					
Duplex Technology	TDD					
Error Correction	FEC k = 1/2, 2/3, 3/4	FEC k = 1/2, 2/3, 3/4, 5/6				
Encryption	AES 128					
Support Indoor units	EONTECH PoE devic	e (included in the page	ckage); pinout: (+) pii	ns 4/5, (-) pins 7/8		
Uplink / Downlink Allocation		netric or Asymmetric	3-77	, , , , , ,		
Layer 2	HUB Mode					
QoS		to 4 priority queues	according to 802.1P	or Diffserv		
VLAN Support	802.1Q, QinQ, 4094		J			
ODU Management		; SNMPv1, SNMPv3; H	TTP/HTTPS using web	o browser		
802.1x	Supported	, 5 11, 5 13, 1.	, a asing we	, , , , , , , , , , , , , , , , , , ,		
Option 82	Supported					
Non PPPoE filtering	Supported					
DHCP Filter						
IGMP snooping	Supported	Supported				
Nomadic subscribers	Supported					
RADIUS Authorization	Supported					
RADIUS User authentication	Supported					
Syslog	Supported					
	Supported					
Supported Rands						
Supported Bands Rand	CRW 10MHz [GHz]	CDW 20MH= [CH=1	CDW 40MH- [CH-]	CDW 00MH= [CH-]	Dadia Camaliana	
Band	CBW 10MHz [GHz]	CBW 20MHz [GHz]	CBW 40MHz [GHz]	CBW 80MHz [GHz]		
Band 5.8 GHz TH	CBW 10MHz [GHz] 5.725-5.850	CBW 20MHz [GHz] 5.725-5.850	CBW 40MHz [GHz] 5.725-5.850	CBW 80MHz [GHz] 5.725-5.850	Radio Compliance N/A	
Band 5.8 GHz TH Mechanical	5.725-5.850	5.725-5.850				
Band 5.8 GHz TH Mechanical ODU Dimensions	5.725-5.850 18.2(w) x 18.2(h) x 6	5.725-5.850				
Band 5.8 GHz TH Mechanical ODU Dimensions ODU Weight	5.725-5.850	5.725-5.850				
Band 5.8 GHz TH Mechanical ODU Dimensions ODU Weight Power	5.725-5.850 18.2(w) x 18.2(h) x 6 0.5 kg / 1.10 lbs	5.725-5.850 6.0(d) cm				
Band 5.8 GHz TH Mechanical ODU Dimensions ODU Weight Power Power Feeding	5.725-5.850 18.2(w) x 18.2(h) x 6 0.5 kg / 1.10 lbs Power provided over	5.725-5.850 6.0(d) cm				
Band 5.8 GHz TH Mechanical ODU Dimensions ODU Weight Power Power Feeding Power Consumption	5.725-5.850 18.2(w) x 18.2(h) x 6 0.5 kg / 1.10 lbs	5.725-5.850 6.0(d) cm				
Band 5.8 GHz TH Mechanical ODU Dimensions ODU Weight Power Power Feeding Power Consumption Environmental	5.725-5.850 18.2(w) x 18.2(h) x 6 0.5 kg / 1.10 lbs Power provided over <13W	5.725-5.850 5.0(d) cm er ODU-IDU cable				
Band 5.8 GHz TH Mechanical ODU Dimensions ODU Weight Power Power Feeding Power Consumption Environmental Operating Temperatures	5.725-5.850  18.2(w) x 18.2(h) x 6  0.5 kg / 1.10 lbs  Power provided ove <13W  -35°C to 60°C / -31°l	5.725-5.850 6.0(d) cm er ODU-IDU cable				
Band 5.8 GHz TH Mechanical ODU Dimensions ODU Weight Power Power Feeding Power Consumption Environmental Operating Temperatures Humidity	5.725-5.850 18.2(w) x 18.2(h) x 6 0.5 kg / 1.10 lbs Power provided over <13W	5.725-5.850 6.0(d) cm er ODU-IDU cable				
Band 5.8 GHz TH Mechanical ODU Dimensions ODU Weight Power Power Feeding Power Consumption Environmental Operating Temperatures Humidity Safety	5.725-5.850  18.2(w) x 18.2(h) x 6 0.5 kg / 1.10 lbs  Power provided ove <13W  -35°C to 60°C / -31°l 100% condensing, l	5.725-5.850 6.0(d) cm er ODU-IDU cable F to 140°F	5.725-5.850	5.725-5.850		
Band 5.8 GHz TH Mechanical ODU Dimensions ODU Weight Power Power Feeding Power Consumption Environmental Operating Temperatures Humidity Safety US/CAN (cTUVus)	5.725-5.850  18.2(w) x 18.2(h) x 6 0.5 kg / 1.10 lbs  Power provided ove <13W  -35°C to 60°C / -31°l 100% condensing, l	5.725-5.850 6.0(d) cm er ODU-IDU cable F to 140°F P66 50-22, CAN/CSA C22.2	5.725-5.850	5.725-5.850		
Band 5.8 GHz TH Mechanical ODU Dimensions ODU Weight Power Power Feeding Power Consumption Environmental Operating Temperatures Humidity Safety US/CAN (cTUVus) CE/IEC	5.725-5.850  18.2(w) x 18.2(h) x 6 0.5 kg / 1.10 lbs  Power provided ove <13W  -35°C to 60°C / -31°l 100% condensing, l	5.725-5.850 6.0(d) cm er ODU-IDU cable F to 140°F P66 50-22, CAN/CSA C22.2	5.725-5.850	5.725-5.850		
Band 5.8 GHz TH Mechanical ODU Dimensions ODU Weight Power Power Feeding Power Consumption Environmental Operating Temperatures Humidity Safety US/CAN (cTUVus) CE/IEC EMC	5.725-5.850  18.2(w) x 18.2(h) x 6 0.5 kg / 1.10 lbs  Power provided ove <13W  -35°C to 60°C / -31°I 100% condensing, I  UL 60950-1, UL 6095 EN/IEC 60950-1, EN/	5.725-5.850 6.0(d) cm er ODU-IDU cable F to 140°F P66 50-22, CAN/CSA C22.2	5.725-5.850	5.725-5.850		
Band 5.8 GHz TH Mechanical ODU Dimensions ODU Weight Power Power Feeding Power Consumption Environmental Operating Temperatures Humidity Safety US/CAN (cTUVus) CE/IEC EMC FCC	5.725-5.850  18.2(w) x 18.2(h) x 6 0.5 kg / 1.10 lbs  Power provided ove <13W  -35°C to 60°C / -31°I 100% condensing, I  UL 60950-1, UL 609! EN/IEC 60950-1, EN/	5.725-5.850 6.0(d) cm er ODU-IDU cable F to 140°F P66 50-22, CAN/CSA C22.2 Part B, Class B	5.725-5.850 2 60950-1, CAN/CSA C	5.725-5.850		
Band 5.8 GHz TH Mechanical ODU Dimensions ODU Weight Power Power Feeding Power Consumption Environmental Operating Temperatures Humidity Safety US/CAN (cTUVus) CE/IEC EMC FCC ETSI	5.725-5.850  18.2(w) x 18.2(h) x 6 0.5 kg / 1.10 lbs  Power provided ove <13W  -35°C to 60°C / -31°I 100% condensing, I  UL 60950-1, UL 609! EN/IEC 60950-1, EN/ 47 CFR, Part15, Sub EN 301 489-1, EN 30	5.725-5.850 6.0(d) cm er ODU-IDU cable F to 140°F P66 50-22, CAN/CSA C22.2 Part B, Class B 11 489-4, EN 301 489-	5.725-5.850 2 60950-1, CAN/CSA C	5.725-5.850		
Band 5.8 GHz TH Mechanical ODU Dimensions ODU Weight Power Power Feeding Power Consumption Environmental Operating Temperatures Humidity Safety US/CAN (cTUVus) CE/IEC EMC FCC ETSI CAN/CSA-CEI/IEC	5.725-5.850  18.2(w) x 18.2(h) x 6 0.5 kg / 1.10 lbs  Power provided ove <13W  -35°C to 60°C / -31°I 100% condensing, I  UL 60950-1, UL 609! EN/IEC 60950-1, EN/	5.725-5.850 6.0(d) cm er ODU-IDU cable F to 140°F P66 50-22, CAN/CSA C22.2 Part B, Class B 11 489-4, EN 301 489-	5.725-5.850 2 60950-1, CAN/CSA C	5.725-5.850		
Band 5.8 GHz TH Mechanical ODU Dimensions ODU Weight Power Power Feeding Power Consumption Environmental Operating Temperatures Humidity Safety US/CAN (cTUVus) CE/IEC EMC FCC ETSI CAN/CSA-CEI/IEC Orther	18.2(w) x 18.2(h) x 6 0.5 kg / 1.10 lbs  Power provided ove <13W  -35°C to 60°C / -31°I 100% condensing, I  UL 60950-1, UL 6095 EN/IEC 60950-1, EN/ 47 CFR, Part15, Sub EN 301 489-1, EN 30 CISPR 22-2010 Class	5.725-5.850 6.0(d) cm er ODU-IDU cable F to 140°F P66 50-22, CAN/CSA C22.2 PIEC 60950-22 part B, Class B 11 489-4, EN 301 489-1	5.725-5.850 2 60950-1, CAN/CSA C	5.725-5.850		
Band 5.8 GHz TH Mechanical ODU Dimensions ODU Weight Power Power Feeding Power Consumption Environmental Operating Temperatures Humidity Safety US/CAN (cTUVus) CE/IEC EMC FCC ETSI CAN/CSA-CEI/IEC Orther Channel Selection	5.725-5.850  18.2(w) x 18.2(h) x 6 0.5 kg / 1.10 lbs  Power provided ove <13W  -35°C to 60°C / -31°I 100% condensing, I  UL 60950-1, UL 609! EN/IEC 60950-1, EN/ 47 CFR, Part15, Sub EN 301 489-1, EN 30	5.725-5.850 6.0(d) cm er ODU-IDU cable F to 140°F P66 50-22, CAN/CSA C22.2 PIEC 60950-22 part B, Class B 11 489-4, EN 301 489-1	5.725-5.850 2 60950-1, CAN/CSA C	5.725-5.850		
Band 5.8 GHz TH Mechanical ODU Dimensions ODU Weight Power Power Feeding Power Consumption Environmental Operating Temperatures Humidity Safety US/CAN (cTUVus) CE/IEC EMC FCC ETSI CAN/CSA-CEI/IEC Orther Channel Selection Integrated Antenna	18.2(w) x 18.2(h) x 6 0.5 kg / 1.10 lbs  Power provided ove <13W  -35°C to 60°C / -31°I 100% condensing, I  UL 60950-1, UL 609! EN/IEC 60950-1, EN/ 47 CFR, Part15, Sub EN 301 489-1, EN 30 CISPR 22-2010 Class  Automatic Channel	5.725-5.850 6.0(d) cm er ODU-IDU cable F to 140°F P66 50-22, CAN/CSA C22.2 PIEC 60950-22 part B, Class B 11 489-4, EN 301 489-1	5.725-5.850 2 60950-1, CAN/CSA C	5.725-5.850		
Band 5.8 GHz TH Mechanical ODU Dimensions ODU Weight Power Power Feeding Power Consumption Environmental Operating Temperatures Humidity Safety US/CAN (cTUVus) CE/IEC EMC FCC ETSI CAN/CSA-CEI/IEC Orther Channel Selection Integrated Antenna Gain	18.2(w) x 18.2(h) x 6 0.5 kg / 1.10 lbs  Power provided ove <13W  -35°C to 60°C / -31°I 100% condensing, I  UL 60950-1, UL 6095 EN/IEC 60950-1, EN/ 47 CFR, Part15, Sub EN 301 489-1, EN 30 CISPR 22-2010 Class  Automatic Channel	5.725-5.850 6.0(d) cm er ODU-IDU cable F to 140°F P66 50-22, CAN/CSA C22.2 PIEC 60950-22 part B, Class B 11 489-4, EN 301 489-1	5.725-5.850 2 60950-1, CAN/CSA C	5.725-5.850		
Band 5.8 GHz TH Mechanical ODU Dimensions ODU Weight Power Power Feeding Power Consumption Environmental Operating Temperatures Humidity Safety US/CAN (cTUVus) CE/IEC EMC FCC ETSI CAN/CSA-CEI/IEC Orther Channel Selection Integrated Antenna Gain VSWR	18.2(w) x 18.2(h) x 6  18.2(w) x 18.2(h) x 6  0.5 kg / 1.10 lbs  Power provided ove <13W  -35°C to 60°C / -31°I  100% condensing, I  UL 60950-1, UL 6099 EN/IEC 60950-1, EN/  47 CFR, Part15, Subj EN 301 489-1, EN 30 CISPR 22-2010 Class  Automatic Channel  16 dBi 1.7:1	5.725-5.850 6.0(d) cm er ODU-IDU cable F to 140°F P66 50-22, CAN/CSA C22.2 PIEC 60950-22 part B, Class B 11 489-4, EN 301 489-1	5.725-5.850 2 60950-1, CAN/CSA C	5.725-5.850		
Band 5.8 GHz TH Mechanical ODU Dimensions ODU Weight Power Power Feeding Power Consumption Environmental Operating Temperatures Humidity Safety US/CAN (cTUVus) CE/IEC EMC FCC ETSI CAN/CSA-CEI/IEC Orther Channel Selection Integrated Antenna Gain VSWR 3 dB Azimuth Beamwidth	18.2(w) x 18.2(h) x 6  18.2(w) x 18.2(h) x 6  0.5 kg / 1.10 lbs  Power provided ove <13W  -35°C to 60°C / -31°I 100% condensing, I  UL 60950-1, UL 6099 EN/IEC 60950-1, EN/  47 CFR, Part15, Sub EN 301 489-1, EN 30 CISPR 22-2010 Class  Automatic Channel  16 dBi 1.7:1 17 Deg. (typ)	5.725-5.850 6.0(d) cm er ODU-IDU cable F to 140°F P66 50-22, CAN/CSA C22.2 PIEC 60950-22 part B, Class B 11 489-4, EN 301 489-1 18 B Selection (ACS)	5.725-5.850 2 60950-1, CAN/CSA C	5.725-5.850		
Band 5.8 GHz TH Mechanical ODU Dimensions ODU Weight Power Power Feeding Power Consumption Environmental Operating Temperatures Humidity Safety US/CAN (cTUVus) CE/IEC EMC FCC ETSI CAN/CSA-CEI/IEC Orther Channel Selection Integrated Antenna Gain VSWR 3 dB Azimuth Beamwidth Polarization	18.2(w) x 18.2(h) x 6  0.5 kg / 1.10 lbs  Power provided ove <13W  -35°C to 60°C / -31°I 100% condensing, I  UL 60950-1, UL 6099 EN/IEC 60950-1, EN/  47 CFR, Part15, Sub EN 301 489-1, EN 30 CISPR 22-2010 Class  Automatic Channel  16 dBi 1.7:1 17 Deg. (typ) Dual Linear (Vertica	5.725-5.850 6.0(d) cm er ODU-IDU cable F to 140°F P66 50-22, CAN/CSA C22.2 PIEC 60950-22 part B, Class B 11 489-4, EN 301 489-1 18 B Selection (ACS)	5.725-5.850 2 60950-1, CAN/CSA C	5.725-5.850		
Band 5.8 GHz TH Mechanical ODU Dimensions ODU Weight Power Power Feeding Power Consumption Environmental Operating Temperatures Humidity Safety US/CAN (cTUVus) CE/IEC EMC FCC ETSI CAN/CSA-CEI/IEC Orther Channel Selection Integrated Antenna Gain VSWR 3 dB Azimuth Beamwidth Polarization Sidelobes Level	18.2(w) x 18.2(h) x 6 0.5 kg / 1.10 lbs  Power provided ove <13W  -35°C to 60°C / -31°I 100% condensing, I  UL 60950-1, UL 6095 EN/IEC 60950-1, EN/  47 CFR, Part15, Sub EN 301 489-1, EN 30 CISPR 22-2010 Class  Automatic Channel  16 dBi 1.7:1 17 Deg. (typ) Dual Linear (Vertica -12 dB(typ)	5.725-5.850 6.0(d) cm er ODU-IDU cable F to 140°F P66 50-22, CAN/CSA C22.2 PIEC 60950-22 part B, Class B 11 489-4, EN 301 489-1 18 B Selection (ACS)	5.725-5.850 2 60950-1, CAN/CSA C	5.725-5.850		
Band 5.8 GHz TH Mechanical ODU Dimensions ODU Weight Power Power Feeding Power Consumption Environmental Operating Temperatures Humidity Safety US/CAN (cTUVus) CE/IEC EMC FCC ETSI CAN/CSA-CEI/IEC Orther Channel Selection Integrated Antenna Gain VSWR 3 dB Azimuth Beamwidth Polarization Sidelobes Level Cross Polarization	18.2(w) x 18.2(h) x 6 0.5 kg / 1.10 lbs  Power provided ove <13W  -35°C to 60°C / -31°I 100% condensing, I  UL 60950-1, UL 6095 EN/IEC 60950-1, EN/  47 CFR, Part15, Sub EN 301 489-1, EN 30 CISPR 22-2010 Class  Automatic Channel  16 dBi 1.7:1 17 Deg. (typ) Dual Linear (Vertica -12 dB(typ) -30dB (typ)	5.725-5.850 6.0(d) cm er ODU-IDU cable F to 140°F P66 50-22, CAN/CSA C22.2 PIEC 60950-22 part B, Class B 11 489-4, EN 301 489-1 18 B Selection (ACS)	5.725-5.850 2 60950-1, CAN/CSA C	5.725-5.850	Radio Compliance N/A	
Band 5.8 GHz TH Mechanical ODU Dimensions ODU Weight Power Power Feeding Power Consumption Environmental Operating Temperatures Humidity Safety US/CAN (cTUVus) CE/IEC EMC FCC ETSI CAN/CSA-CEI/IEC Orther Channel Selection Integrated Antenna Gain VSWR 3 dB Azimuth Beamwidth Polarization Sidelobes Level Cross Polarization F/B Ratio	18.2(w) x 18.2(h) x 6 0.5 kg / 1.10 lbs  Power provided ove <13W  -35°C to 60°C / -31°I 100% condensing, I  UL 60950-1, UL 6099 EN/IEC 60950-1, EN/  47 CFR, Part15, Subj EN 301 489-1, EN 30 CISPR 22-2010 Class  Automatic Channel  16 dBi 1.7:1 17 Deg. (typ) Dual Linear (Vertica -12 dB(typ) -30dB (typ) -25 dB	5.725-5.850 6.0(d) cm er ODU-IDU cable F to 140°F P66 50-22, CAN/CSA C22.2 PIEC 60950-22 part B, Class B 11 489-4, EN 301 489-1 18 B Selection (ACS)	5.725-5.850 2 60950-1, CAN/CSA C	5.725-5.850		
Band 5.8 GHz TH Mechanical ODU Dimensions ODU Weight Power Power Feeding Power Consumption Environmental Operating Temperatures Humidity Safety US/CAN (cTUVus) CE/IEC EMC FCC ETSI CAN/CSA-CEI/IEC Orther Channel Selection Integrated Antenna Gain VSWR 3 dB Azimuth Beamwidth Polarization Sidelobes Level Cross Polarization	18.2(w) x 18.2(h) x 6 0.5 kg / 1.10 lbs  Power provided ove <13W  -35°C to 60°C / -31°I 100% condensing, I  UL 60950-1, UL 6095 EN/IEC 60950-1, EN/  47 CFR, Part15, Sub EN 301 489-1, EN 30 CISPR 22-2010 Class  Automatic Channel  16 dBi 1.7:1 17 Deg. (typ) Dual Linear (Vertica -12 dB(typ) -30dB (typ)	5.725-5.850 6.0(d) cm er ODU-IDU cable F to 140°F P66 50-22, CAN/CSA C22.2 PIEC 60950-22 part B, Class B 11 489-4, EN 301 489-1 18 B Selection (ACS)	5.725-5.850 2 60950-1, CAN/CSA C	5.725-5.850		





Antenna Pattern





Ordering Info

Part Number: EN-6761-OP65

 $\label{eq:content} Description: EONTECH~SU-PRO~50~ODU, with an embedded antenna~and~connectorized~for~external~antenna~(2~x~SMA), supporting~multi~$ 

frequency bands at 5.x GHz, factory default 5.8 GHz TH.

Datasheet information can be changed by manufacturer without prior notice



## EN-3065-74C6



**EONTECH Alpha Model** 

Point-to-Point Radio - Data Sheet (EN3000/ODU/Alpha/F54/UNI/EMB/500M)



**Sector Base Station** 

EN-3065-74C6

### **Product Description**

EN-3065-74C6 is a carrier-class radio that belongs to the EONTECH 3000 Alpha Series and supports 5.4 to 5.8 GHz frequency range.

The Radio complies with TH regulations with a factory default of 5.4 GHz TH.

EN-3065-74C6 delivers up to 500 Mbps throughput.

The unit includes an embedded antenna and connectors (2 x SMA) for the high gain slideon TurboGain antenna. The connectors can be used for 3rd party external antenna.

### **Product Highlights**

- Up to 500 Mbps net aggregated throughput
- Telco-grade, extremely robust in harshconditions
- Supports intra-site synchronization to maximize capacity
- Configurable asymmetric throughput
- Advanced OFDM & MIMO technologies for operation in nLOS/NLOS and dense radio environments
- Multiple Antenna configuration: 16dBi embedded antenna, 22dBi antenna when using the TurboGain antenna, and 3rd partyexternal antenna

#### Certificate







Ordering Info

Part Number: EN-3065-74C6

Description: EONTECH 3000 Alpha ODU, with an embedded antenna and connectorized for external antenna (2 x SMA), supporting multi frequency bands at 5.x GHz, factory default 5.4 GHz Universal.



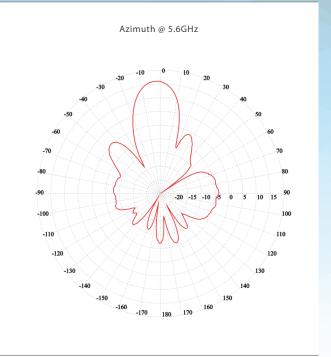
Configuration				
Architecture	Outdoor Unit with an embedded antenna and connectos for external antenna (2 x SMA)			
PoE to ODU Interface	Outdoor CAT-5e; Maximum cable length: 100m for 10/100BaseT and 75m for 1000BaseT			
Radio				
Max Capacity	50 Mbps net aggregate throughput; Upgradable to 250 Mbps with license key			
Range	Up to 120 km / 75 miles			
Channel Bandwidth	Configurable: 10, 20, 40, 80 MHz (for the default band); Dynamic Channel BW selection (20/40/80 MHz)			
Modulation	MIMO-OFDM (BPSK/QPSK/16QAM/64QAM/256QAM)			
Adaptive Modulation & Coding	Supported			
Automatic Channel Selection	Supported upon power up			
DFS	Supported (ETSI, ETSI/GER)			
Diversity	Supported			
Max Tx Power	24 dBm			
Duplex Technology	TDD			
Error Correction	FEC k = 1/2, 2/3, 3/4, 5/6			
Encryption	AES 128			
Support Indoor units	EONTECH PoE devices (0032-212X)			
Uplink / Downlink Allocation	Configurable: Symmetric or Asymmetric			
QoS	Packet classification to 4 priority queues according to 802.1P or Diffserv			
VLAN Support	802.1Q, QinQ, 4094 VLANs			
TDD Intra Site Synchronization	Supported			
TDD Intra Site Synchronization	Supported through common GPS receiver per site			
ODU Management	Pv4/IPv6 dual-stack; SNMPv1, SNMPv3; HTTP/HTTPS using web browser			
Option 82	Supported			
RADIUS Authorization	Supported			
RADIUS User authentication	Supported			
Syslog	Supported			
Supported Bands	Supported			
Band	CBW 10MHz [GHz] CBW 20MHz [GHz] CBW 40MHz [GHz] CBW 80MHz [GHz] Radio Compliance			
5.7 GHz TH	CBW 10MHz [GHz]			
Mechanical	3.7 23 3.07 3 3.7 20-3.060 3.7 10-3.090 3.090-3.910 IN/A			
ODU Dimensions	18.2(w) x 18.2(h) x 6.0(d) cm			
ODU Weight	0.5 kg / 1.10 lbs			
Power	0.5 kg / 1.10 ib3			
Power Feeding	Power provided over ODU-IDU cable			
Power Consumption	<13W			
Environmental	(101)			
Operating Temperatures	-35°C to 60°C / -31°F to 140°F			
Humidity	100% condensing, IP66			
Safety	100% condensing, if 00			
US/CAN (cTUVus)	UL 60950-1, UL 60950-22, CAN/CSA C22.2 60950-1, CAN/CSA C22.2 60950-22			
CE/IEC	EN/IEC 60950-1, EN/IEC 60950-22			
EMC	ENTITE CONSO IT ENTITE CONSO EL			
FCC	47 CFR, Part15, Subpart B, Class B			
ETSI	EN 301 489-1, EN 301 489-4, EN 301 489-17			
CAN/CSA-CEI/IEC	CISPR 22-2010 Class B			
Integrated Antenna	CIST N 22 2010 Class b			
Gain	16 dBi			
VSWR				
3 dB Azimuth Beamwidth	1.7 : 1			
Polarization	17 Deg. (typ)  Dual Linear (Vertical and Horizontal)			
i Gialization				
Sideloher Level	-12 dB(typ)			
Sidelobes Level				
Cross Polarization	-30dB (typ)			
Cross Polarization F/B Ratio	-30dB (typ) -25 dB			
Cross Polarization F/B Ratio Port To Port Isolation	-30dB (typ) -25 dB 35 dB (typ)			
Cross Polarization F/B Ratio	-30dB (typ) -25 dB			
Cross Polarization F/B Ratio Port To Port Isolation	-30dB (typ) -25 dB 35 dB (typ)			











#### Ordering Info

Part Number: EN-3065-74C6

Description: EONTECH 3000 Alpha ODU, with an embedded antenna and connectorized for external antenna (2 x SMA), supporting multi frequency bands at 5.x GHz, factory default 5.4 GHz Universal.

Datasheet information can be changed by manufacturer without prior notice



# THANK YOU....

