



# OA3620 Series 802.11 a/b/g Outdoor Bridge

**eTo inc.,**

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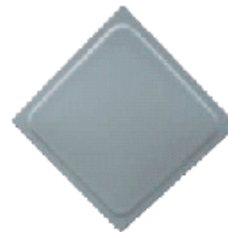
## OA3620 Feature

OA3620 Series Outdoor Bridges are designed for Point to Point and Point to multi-Point outdoor application. These bridges with functions of PoE power supply, waterproof, dustproof and coolant can build up a 54Mbps connection between two buildings. Such marvelous products are so suitable to be set up outdoors.

These products supporting further powerful and stable functions are fully compatible with IEEE 802.11a/b/g standard. Web or SNMP can be your choice to manage these bridges. No doubt, OA3620 Series Outdoor Bridges are the best devices for your inter-building network bridge since its special design..



OA3621  
OA3622  
OA3624



OA3625



OA3623

Model	OA3621	OA3622	OA3623	OA3624	OA3625
<b>Hardware</b>					
LAN	1x 10/100 Base-T RJ-45 with Auto MDIX				
Power Over Ethernet(POE)	Yes(802.3af)				
Default Button	Yes				
<b>Radio</b>					
Antenna	N Type	N Type	Build-in 19 dBi	N Type	Build 23 dBi
Frequency	802.11a/b/g	802.11b/g	802.11b/g	802.11a	802.11a
Maximum Output Power	11a 11dbm@54Mbps 11g 17dBm@54Mbps	21dbm@54Mbps	21dBm@54Mbps	20dBm@54Mbps	20dBm@54Mbps
Sensitivity	11a -72dbm@54Mbps 11g -74dBm@54Mbps	-72dbm@54Mbps	-72dBm@54Mbps	-70dBm@54Mbps	-70dBm@54Mbps
<b>Feature</b>					
Operating Mode	AP , Bridge , inter-building ,station adpter , NAT Router				
Link Test Tool	Yes				
Virtual AP	Yes ( Max is 8 Virtual AP)				
VLAN	Yes				
QOS	Yes				
Data Bandwidth Control	Yes				
HTTP redirect	Yes				
<b>Security</b>					
WEP Encryption	64,128,152-bit				
WPA/PWA2	Yes				
Wireless Isolation	Yes				
Firewall	Yes				
Enable/Disable SSID Broadcast	Yes				
<b>Management</b>					
Web Base Management	Yes				
Windows Utility	Yes				
SNMP V.2	Yes				
<b>Physical</b>					
Dimension	259x250x75mm	259x250x75mm	335x335x81mm	259x250x75mm	335x335x81mm
Weight	1.8Kg	1.8Kg	2.9Kg	1.8Kg	2.9Kg
Operating Temperature	-20~60 Degree C				
Operating Humidity	10~95% RH				



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## 5GHz Antenna vs. Distance

Output Power = 18 dBm

Frequency = 5.825GHz

Cable Loss = 2 dB

Antenna are High Enough

Unit: Km

Gain Data Rate	8 dBi	10 dBi	12 dBi	14 dBi	16 dBi	18 dBi	20 dBi	23 dBi
54Mbps, -65 dBm	0.2	0.4	0.6	0.9	1.5	2.3	3.7	7.8
36Mbps, -70 dBm	0.4	0.6	1	1.6	2.6	4.1	6.5	13
24Mbps, -74 dBm	0.6	1	1.6	2.6	4.1	6.5	10.3	20.5
12Mbps, -79 dBm	1.2	1.8	2.9	4.6	7.3	11.5	18.3	36.5

## 2.4GHz Antenna vs. Distance

Gain dBi		Rx				
		18	14	8	6	5
Tx	18	5.5 Km	4 Km	1.5 Km	1 Km	0.6 Km
	14	2.5 Km	2.5 Km	1.5 Km	0.8 Km	0.6 Km
	8	1 Km	1 Km	1 Km	0.8 Km	0.6 Km
	6	0.8 Km	0.8 Km	0.8 Km	0.8 Km	0.6 Km
	5	0.8 Km	0.6 Km	0.6 Km	0.6 Km	0.5 Km

**Data rate is 11Mbps, Output Power is 18 dBm, Sensitivity is -88dBm @2.4GHz**