

Advantech AE Technical Share Document

Date	2018/02/21	SR#	
Category	■FAQ □ SOP	Related OS	N/A
Abstract	Forcing 100Mbps Link Speed for Adopting 100Base SFP on nOS3.0 Managed Switches		
Keyword	SFP, 100Base, 100Mbps, Auto Negotiation, Link Speed, nOS3.0		
Related Product	EKI-9200, EKI-9300, EKI-9700 series (Broadcom Solutions)		

■ **Problem Description:**

Why nOS3.0 managed switches can't link-up with 100Base SFP?

■ **Answer:**

For the managed switches that use Broadcom solutions, it will need to be configured manually to adopt 100Base SFPs. The following figures will take EKI-9228 (fiber ports 21-28) as an example to show how to configure the corresponding setting.

❖Noted that fiber ports 1-4 of EKI-9228 can only adopt 1000Base SFP.

<input type="checkbox"/>	ge0/14	14	Normal	Enabled	Auto		Enabled	Enabled	Link Down
<input type="checkbox"/>	ge0/15	15	Normal	Enabled	Auto		Enabled	Enabled	Link Down
<input type="checkbox"/>	ge0/16	16	Normal	Enabled	Auto	1000 Mbps	Enabled	Enabled	Link Up
<input type="checkbox"/>	ge0/17	17	Normal	Enabled	Auto		Enabled	Enabled	Link Down
<input type="checkbox"/>	ge0/18	18	Normal	Enabled	Auto		Enabled	Enabled	Link Down
<input type="checkbox"/>	ge0/19	19	Normal	Enabled	Auto		Enabled	Enabled	Link Down
<input type="checkbox"/>	ge0/20	20	Normal	Enabled	Auto		Enabled	Enabled	Link Down
<input type="checkbox"/>	ge0/21	21	Normal	Enabled	Auto	100 Mbps Full Duplex	Enabled	Enabled	Link Up
<input type="checkbox"/>	ge0/22	22	Normal	Enabled	Auto		Enabled	Enabled	Link Down
<input type="checkbox"/>	ge0/23	23	Normal	Enabled	100 Mbps Full Duplex		Enabled	Enabled	Link Down
1. <input checked="" type="checkbox"/>	ge0/24	24	Normal	Enabled	Auto		Enabled	Enabled	Link Down
<input type="checkbox"/>	ge0/25	25	Normal	Enabled	Auto		Enabled	Enabled	Link Down
<input type="checkbox"/>	ge0/26	26	Normal	Enabled	Auto		Enabled	Enabled	Link Down
<input type="checkbox"/>	ge0/27	27	Normal	Enabled	Auto		Enabled	Enabled	Link Down
<input type="checkbox"/>	ge0/28	28	Normal	Enabled	Auto		Enabled	Enabled	Link Down
<input type="checkbox"/>	LAG1	30	Normal	Enabled	LAG		Enabled	Disabled	Link Down
<input type="checkbox"/>	LAG2	31	Normal	Enabled	LAG		Enabled	Disabled	Link Down
<input type="checkbox"/>	LAG3	32	Normal	Enabled	LAG		Enabled	Disabled	Link Down
<input type="checkbox"/>	LAG4	33	Normal	Enabled	LAG		Enabled	Disabled	Link Down
<input type="checkbox"/>	LAG5	34	Normal	Enabled	LAG		Enabled	Disabled	Link Down
<input type="checkbox"/>	LAG6	35	Normal	Enabled	LAG		Enabled	Disabled	Link Down

First Previous 1 Next Last

2. Refresh Edit

Figure 1: Step 1. Select Ports

Normal Enabled Auto Enabled Enabled

3. Edit Port Configuration

Interface	ge0/24		
Admin Mode	<input type="radio"/> Disable <input checked="" type="radio"/> Enable		
Physical Mode	100 Mbps Full Duplex ▼		
STP Mode	<input type="radio"/> Disable <input checked="" type="radio"/> Enable		
LACP Mode	<input type="radio"/> Disable <input checked="" type="radio"/> Enable		
Maximum Frame Size	1518 (1518 to 9216)		
Broadcast Storm Recovery Level	<input checked="" type="radio"/> Disable <input type="radio"/> Enable	5	<input checked="" type="radio"/> % <input type="radio"/> pps
Multicast Storm Recovery Level	<input checked="" type="radio"/> Disable <input type="radio"/> Enable	5	<input checked="" type="radio"/> % <input type="radio"/> pps
Unicast Storm Recovery Level	<input checked="" type="radio"/> Disable <input type="radio"/> Enable	5	<input checked="" type="radio"/> % <input type="radio"/> pps

Submit Cancel

Figure 2: Step 2. Forcing Link Speed to be 100Mbps