



# PoE Selection Guide

- VivoCam PoE Switch
- Web Smart PoE Switch
- Unmanaged PoE Switch
- PoE Injector
- PoE Extender
- Industrial PoE Switch
- Industrial PoE Injector
- Industrial Media Converter
- Industrial Power Supply
- SFP Transceiver





## Unmanaged PoE Switch

Model	AW-FED-0500-065	AW-FED-0500-120	AW-FET-050A-065	AW-FET-080A-120	AW-FET-081A-065	AW-FGT-100A-120
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Feature Highlight	Unmanaged High Power 4xFE PoE + 1xFE DIP Switch	Unmanaged High Power 4xFE PoE + 1xFE DIP Switch	Unmanaged 4xFE PoE + 1xFE Switch	Unmanaged 8xFE PoE Switch	Unmanaged 4xFE PoE + 4xFE Switch	Unmanaged 8xFE PoE + 1xGE UTP + 1xGE SFP Switch
Hardware Specifications						
Fast Ethernet (RJ45)	5	5	5	8	8	8
Gigabit Ethernet (RJ45)	-	-	-	-	-	1
Gigabit Ethernet (SFP)	-	-	-	-	-	1
Combo Gigabit Ethernet (RJ45/SFP)	-	-	-	-	-	-
PoE Specifications						
802.3af/at Standard	802.3af / 802.3at Passive	802.3af / 802.3at Passive	802.3af / 802.3at	802.3af / 802.3at	802.3af / 802.3at	802.3af / 802.3at
Power Pin Assignment	4/5(+), 7/8(-)	4/5(+), 7/8(-)	1/2(+), 3/6(-)	1/2(+), 3/6(-)	1/2(+), 3/6(-)	4/5(+), 7/8(-)
Number of PoE Out Ports	4	4	4	8	4	8
Max. PoE Power Output / Port	56VDC/52W	52VDC/52W	56VDC/30W	56VDC/30W	56VDC/30W	56VDC/30W
Total PoE Power Budget	60W	115W	60W	115W	60W	115W
PoE On/Off by DIP Switch	Supported	Supported	-	-	-	-
General						
Dimensions	120 (L) x 90 (W) x 28 (H) mm	120 (L) x 90 (W) x 28 (H) mm	185 (L) x 122 (W) x 43 (H) mm	280 (L) x 128 (W) x 44 (H) mm	280 (L) x 128 (W) x 44 (H) mm	330 (L) x 119 (W) x 44 (H) mm
Power Input	AC to DC Power Adapter	AC to DC Power Adapter	AC Power Cord	AC Power Cord	AC Power Cord	AC Power Cord
Operating Temperature	0°C ~ 50°C (32°F ~ 122°F)	0°C ~ 50°C (32°F ~ 122°F)	0°C ~ 50°C (32°F ~ 122°F)	0°C ~ 50°C (32°F ~ 122°F)	0°C ~ 50°C (32°F ~ 122°F)	0°C ~ 50°C (32°F ~ 122°F)
Mounting Type	Wall-Mount	Wall-Mount	Wall-Mount	Rack-Mount	Rack-Mount	Rack-Mount

## Unmanaged PoE Switch

Model	AW-FGT-100B-120	AW-FET-160A-250	AW-FGT-180A-250	AW-FGT-260A-250	AW-GET-050A-065	AW-GET-080A-120
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Feature Highlight	Unmanaged 8xFE PoE + 2xGE UTP Switch	Unmanaged 16xFE PoE Switch	Unmanaged 16xFE PoE + 2xCombo GE Switch	Unmanaged 24xFE PoE + 2xCombo GE Switch	Unmanaged 4xGE PoE + 1xGE Switch	Unmanaged 8xGE PoE Switch
<b>Hardware Specifications</b>						
Fast Ethernet (RJ45)	8	16	16	24	-	-
Gigabit Ethernet (RJ45)	2	-	-	-	5	8
Gigabit Ethernet (SFP)	-	-	-	-	-	-
Combo Gigabit Ethernet (RJ45/SFP)	-	-	2	2	-	-
<b>PoE Specifications</b>						
802.3af/at Standard	802.3af / 802.3at	802.3af / 802.3at	802.3af / 802.3at	802.3af / 802.3at	802.3af / 802.3at	802.3af / 802.3at
Power Pin Assignment	4/5(+), 7/8(-)	1/2(+), 3/6(-)	1/2(+), 3/6(-)	1/2(+), 3/6(-)	1/2(+), 3/6(-)	1/2(+), 3/6(-)
Number of PoE Out Ports	8	16	16	24	4	8
Max. PoE Power Output / Port	56VDC/30W	56VDC/30W	56VDC/30W	56VDC/30W	56VDC/30W	56VDC/30W
Total PoE Power Budget	115W	240W	240W	240W	60W	115W
PoE On/Off by DIP Switch	-	-	-	-	-	-
<b>General</b>						
Dimensions	330 (L) x 119 (W) x 44 (H) mm	440 (L) x 200 (W) x 44 (H) mm	440 (L) x 200 (W) x 44 (H) mm	440 (L) x 200 (W) x 44 (H) mm	160 (L) x 122 (W) x 43 (H) mm	280 (L) x 182 (W) x 44 (H) mm
Power Input	AC Power Cord	AC Power Cord	AC Power Cord	AC Power Cord	AC Power Cord	AC Power Cord
Operating Temperature	0°C ~ 50°C (32°F ~ 122°F)	0°C ~ 50°C (32°F ~ 122°F)	0°C ~ 50°C (32°F ~ 122°F)	0°C ~ 50°C (32°F ~ 122°F)	0°C ~ 50°C (32°F ~ 122°F)	0°C ~ 50°C (32°F ~ 122°F)
Mounting Type	Rack-Mount	Rack-Mount	Rack-Mount	Rack-Mount	Wall-Mount	Rack-Mount

## PoE Injector

Model	AP-FIC-010A-015	AP-FIC-010B-015	AP-GIC-010A-030	AP-GIC-010B-030	AP-GIC-010A-060
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Feature Highlight	1xFE IEEE802.3af PoE Injector	1xFE Passive PoE Injector	1xGE IEEE802.3at PoE Injector	1xGE Passive PoE Injector	1xGE 60W UPoE Injector
<b>Hardware Specifications</b>					
Data Input (RJ45)	1	1	1	1	1
Data + Power Output (RJ45)	1	1	1	1	1
Data Rate	Fast Ethernet	Fast Ethernet	Gigabit Ethernet	Gigabit Ethernet	Gigabit Ethernet
<b>PoE Specifications</b>					
PoE Standard	802.3af	802.3af Passive	802.3af / 802.3at	802.3af / 802.3at Passive	802.3at
Power Pin Assignment	1/2(+), 3/6(-)	4/5(+), 7/8(-)	1/2(+), 3/6(-)	4/5(+), 7/8(-)	1/2(+), 3/6(-), 4/5(+), 7/8(-)
Number of PoE Out Ports	1	1	1	1	1
Total PoE Power Budget	54VDC/15.4W	54VDC/15.4W	54VDC/30W	54VDC/30W	54VDC/60W
<b>General</b>					
Dimensions	146 (L) x 64 (W) x 42 (H) mm	146 (L) x 64 (W) x 42 (H) mm	146 (L) x 64 (W) x 42 (H) mm	146 (L) x 64 (W) x 42 (H) mm	153 (L) x 84 (W) x 44 (H) mm
Power Input (Power Cord)	100~240VAC / 50~60Hz	100~240VAC / 50~60Hz	100~240VAC / 50~60Hz	100~240VAC / 50~60Hz	100~240VAC / 50~60Hz
Operating Temperature	0°C ~ 50°C (32°F ~ 122°F)	0°C ~ 50°C (32°F ~ 122°F)	0°C ~ 50°C (32°F ~ 122°F)	0°C ~ 50°C (32°F ~ 122°F)	0°C ~ 50°C (32°F ~ 122°F)

### Indoor PoE Extender

### Outdoor PoE Extender

Model	AP-FXC-0100	AP-FXC-0200	AP-FXC-0201	AP-FXC-0400	AP-FXC-0150	AP-FXC-0250
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Feature Highlight	1-Port Indoor FE PoE Extender	2-Port Indoor FE PoE Extender	2-Port Indoor FE PoE Extender with Conduit Box	4-Port Indoor FE PoE Extender	1-Port Outdoor FE PoE Extender	2-Port Outdoor FE PoE Extender
<b>Hardware Specifications</b>						
PD PoE Fast Ethernet (RJ45)	1	1	1	1	1	1
PSE PoE Fast Ethernet (RJ45)	1	2	2	4	1	2
<b>PoE Specifications</b>						
Max. Distance	2 Units, Daisy-chain Installation Up to 300M Extension	2 Units, Daisy-chain Installation Up to 300M Extension	2 Units, Daisy-chain Installation Up to 300M Extension	2 Units, Daisy-chain Installation Up to 300M Extension	2 Units, Daisy-chain Installation Up to 300M Extension	2 Units, Daisy-chain Installation Up to 300M Extension
PoE Output	802.3af / 802.3at Passive	802.3af / 802.3at Passive	802.3af / 802.3at Passive	802.3af / 802.3at	802.3af / 802.3at Passive	802.3af / 802.3at Passive
Power Pin Assignment	4/5(+), 7/8(-)	4/5(+), 7/8(-)	4/5(+), 7/8(-)	1/2(+), 3/6(-)	4/5(+), 7/8(-)	4/5(+), 7/8(-)
PoE Out / Port	Max. 12-48 W	Max. 12-48 W	Max. 12-48 W	Max. 30W	Max. 12-48 W	Max. 12-48 W
<b>General</b>						
Housing	-	-	-	-	IP66	IP66
Dimensions	80 (L) x 70 (W) x 23 (H) mm	58 (L) x 108 (W) x 23 (H) mm	φ: 152 mm x 44 mm	120 (L) x 90 (W) x 28 (H) mm	160 (L) x 114 (W) x 45 (H) mm	160 (L) x 114 (W) x 45 (H) mm
Power Input	UPoE in	UPoE in	UPoE in	UPoE in	UPoE in	UPoE in
Operating Temperature	0°C ~ 50°C (32°F ~ 122°F)	0°C ~ 50°C (32°F ~ 122°F)	0°C ~ 50°C (32°F ~ 122°F)	0°C ~ 50°C (32°F ~ 122°F)	-20°C ~ 60°C (-4°F ~ 140°F)	-20°C ~ 60°C (-4°F ~ 140°F)
Mounting Type	Wall-Mount	Wall-Mount	Wall-Mount & Ceiling-Mount	Wall-Mount	Wall-Mount	Wall-Mount

## Industrial Unmanaged PoE Switch

Model	AW-IHT-0500	AW-IHT-0501	AW-IHT-0502	AW-IHT-0600	AW-IHT-0601
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Feature Highlight	Industrial 4xFE PoE + 1xFE Switch	Industrial 4xFE PoE + 1xFE SC Multi-Mode 2KM Switch	Industrial 4xFE PoE + 1xFE SC Single-Mode 30KM Switch	Industrial 4xGE PoE + 1xCombo GE + 1xGE SFP Switch	Industrial 4xGE PoE + 1xCombo GE + 1xGE SFP Switch
<b>Hardware Specifications</b>					
Fast Ethernet (RJ45)	5	4	4	-	-
Fast Ethernet (M12)	-	-	-	-	-
Gigabit Ethernet (RJ45)	-	-	-	4	4
Fast Ethernet (Fiber)	-	SC Multi-mode 2KM	SC Single-mode 30KM	-	-
Gigabit Ethernet (SFP)	-	-	-	1	1
Combo Gigabit Ethernet (RJ45/SFP)	-	-	-	1	1
Wavelength (Fiber)	-	1310nm	1310nm	-	-
<b>PoE Specifications</b>					
802.3af/at Standard	802.3af / 802.3at	802.3af / 802.3at	802.3af / 802.3at	802.3af / 802.3at	802.3af / 802.3at
Power Pin Assignment	1/2(+), 3/6(-)	1/2(+), 3/6(-)	1/2(+), 3/6(-)	1/2(+), 3/6(-)	1/2(+), 3/6(-)
Number of PoE Out Ports	4	4	4	4	4
Max. PoE Power Output / Port	56VDC/30W	56VDC/30W	56VDC/30W	56VDC/30W	56VDC/30W
Total PoE Power Budget	120W	120W	120W	120W	24VDC~56VDC: 120W 12VDC: 65W
<b>General</b>					
Dimensions	142 (L) x 105 (W) x 36.2 (H) mm	142 (L) x 105 (W) x 36.2 (H) mm	142 (L) x 105 (W) x 36.2 (H) mm	142 (L) x 113 (W) x 43 (H) mm	142 (L) x 113 (W) x 43 (H) mm
Power Input (Terminal Block)	Redundant Dual 44V-56VDC (Optional: Power Supply)	Redundant Dual 44V-56VDC (Optional: Power Supply)	Redundant Dual 44V-56VDC (Optional: Power Supply)	Redundant Dual 44V-56VDC (Optional: Power Supply)	Redundant Dual 12V-56VDC (Optional: Power Supply)
Operating Temperature	-40°C ~ 75°C (-40°F ~ 167°F)	-40°C ~ 75°C (-40°F ~ 167°F)	-40°C ~ 75°C (-40°F ~ 167°F)	-40°C ~ 75°C (-40°F ~ 167°F)	-40°C ~ 75°C (-40°F ~ 167°F)
Mounting Type	DIN-Rail Mount & Wall-Mount	DIN-Rail Mount & Wall-Mount	DIN-Rail Mount & Wall-Mount	DIN-Rail Mount & Wall-Mount	DIN-Rail Mount & Wall-Mount

## Industrial Unmanaged PoE Switch

Model	AW-IHT-0200	AW-IHU-0200	AW-IHT-0602	AW-IHU-0600
				
Feature Highlight	Industrial 1xGE PoE + 1xGE SFP Switch	Industrial 1xGE 60W UPoE + 1xGE SFP Switch	Industrial EN50155 4xFE M12 PoE + 2xFE M12 Switch	Industrial 4xGE 60W UPoE + 2xGE SFP Switch
Hardware Specifications				
Fast Ethernet (RJ45)	-	-	-	-
Fast Ethernet (M12)	-	-	6	-
Gigabit Ethernet (RJ45)	1	1	-	4
Fast Ethernet (Fiber)	-	-	-	-
Gigabit Ethernet (SFP)	1	1	-	2
Combo Gigabit Ethernet (RJ45/SFP)	-	-	-	-
Wavelength (Fiber)	-	-	-	-
PoE Specifications				
802.3af/at Standard	802.3af / 802.3at	802.3af / 802.3at	802.3af / 802.3at	802.3af / 802.3at
Power Pin Assignment	1/2(+), 3/6(-)	1/2(+), 3/6(-), 4/5(+), 7/8(-)	1/2(+), 3/6(-)	1/2(+), 3/6(-), 4/5(+), 7/8(-)
Number of PoE Out Ports	1	1	4	4
Max. PoE Power Output / Port	56VDC/30W	56VDC/60W	56VDC/30W	56VDC/60W
Total PoE Power Budget	30W	60W	120W	240W
General				
Dimensions	142 (L) x 113 (W) x 43 (H) mm	142 (L) x 113 (W) x 43 (H) mm	100 (L) x 150 (W) x 85 (H) mm	142 (L) x 105 (W) x 43 (H) mm
Power Input (Terminal Block)	48V-56VDC Power Input (Optional: Power Supply)	50V-56VDC Power Input (Optional: Power Supply)	Redundant Dual 24V-56VDC Power Input M12, 5-pole A-coded, Malex1 (Optional: Power Supply)	Redundant Dual 50V-56VDC Power Input (Optional: Power Supply)
Operating Temperature	-40°C ~ 75°C (-40°F ~ 167°F)	-40°C ~ 75°C (-40°F ~ 167°F)	-40°C ~ 75°C (-40°F ~ 167°F)	-40°C ~ 75°C (-40°F ~ 167°F)
Mounting Type	DIN-Rail Mount & Wall-Mount	DIN-Rail Mount & Wall-Mount	DIN-Rail Mount & Wall-Mount	DIN-Rail Mount & Wall-Mount



Industrial PoE Injector			Industrial Media Converter		
Model	AW-IHT-0100	AW-IHU-0100	AW-IHS-0200	AW-IHS-0201	AW-IHS-0203
					
Feature Highlight	Industrial 1xGE PoE Injector	Industrial 1xGE 60W UPoE Injector	Industrial FE Media Converter SC Multi-Mode Fiber 2KM	Industrial FE Media Converter SC Single-Mode 30KM	Industrial Gigabit Media Converter SFP
Hardware Specifications					
Fast Ethernet (RJ45)	-	-	1	1	-
Gigabit Ethernet (RJ45)	2	2	-	-	1
Fast Ethernet (Fiber)	-	-	SC Multi-mode 2KM	SC Single-mode 30KM	-
Gigabit Ethernet (SFP)	-	-	-	-	1
Wavelength (Fiber)	-	-	1310nm	1310nm	-
PoE Specifications					
PoE Standard	802.3at	802.3at	-	-	-
Power Pin Assignment	1/2(+), 3/6(-)	1/2(+), 3/6(-), 4/5(+), 7/8(-)	-	-	-
DIP Switch	-	30W / 60W Mode Selectable	-	-	-
Number of PoE Out Ports	1	1	-	-	-
Total PoE Power Budget	56VDC/30W	56VDC/60W	-	-	-
General					
Housing	Metal, IP30	Metal, IP30	Metal, IP40	Metal, IP40	Metal, IP30
Dimensions	103.5 (L) x 32 (W) x 81.5 (H) mm	103.5 (L) x 32 (W) x 81.5 (H) mm	59 (L) x 49 (W) x 36 (H) mm	59 (L) x 49 (W) x 36 (H) mm	103.5 (L) x 31.8 (W) x 90.5 (H) mm
Power Input (Terminal Block)	Redundant Dual 48V-56VDC (Optional: Power Supply)	Redundant Dual 50V-56VDC (Optional: Power Supply)	18V-36VAC or 12V-60VDC (Optional: Power Supply)	18V-36VAC or 12V-60VDC (Optional: Power Supply)	Redundant Dual 18V-36VAC or 12V-56VDC (Optional: Power Supply)
Operating Temperature	-40°C ~ 75°C (-40°F ~ 167°F)	-40°C ~ 75°C (-40°F ~ 167°F)	-40°C ~ 75°C (-40°F ~ 167°F)	-40°C ~ 75°C (-40°F ~ 167°F)	-40°C ~ 75°C (-40°F ~ 167°F)
Mounting Type	DIN-Rail Mount & Wall-Mount	DIN-Rail Mount & Wall-Mount	DIN-Rail Mount & Wall-Mount	DIN-Rail Mount & Wall-Mount	DIN-Rail Mount & Wall-Mount

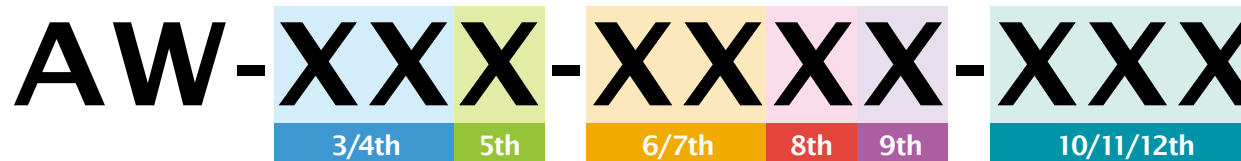
## Industrial Power Supply

Model	NDR-75-48	NDR-120-48	NDR-240-48	HLG-80H-54	HLG-120H-54	HLG-240H-54
						
Feature Highlight	Industrial Power Supply	Industrial Power Supply	Industrial Power Supply	Industrial Power Supply	Industrial Power Supply	Industrial Power Supply
Hardware Specifications						
Input Voltage Range	90~264VAC	90~264VAC	90~264VAC	90~305VAC	90~305VAC	90~305VAC
Output DC Voltage	48VDC	48VDC	48VDC	54VDC	54VDC	54VDC
Output Power	75W	120W	240W	80W	120W	240W
General						
Housing	-	-	-	IP67	IP67	IP67
Dimensions	32 (W) x 125.2 (H) x 102 (D) mm	40 (W) x 125.2 (H) x 113.5 (D) mm	63 (W) x 125.2 (H) x 113.5 (D) mm	195.6 (L) x 61.5 (W) x 38.8 (H) mm	220 (L) x 68 (W) x 38.8 (H) mm	244.2 (L) x 68 (W) x 38.8 (H) mm
Operating Temperature	-20°C ~ 70°C (-4°F ~ 158°F)	-20°C ~ 70°C (-4°F ~ 158°F)	-20°C ~ 70°C (-4°F ~ 158°F)	-40°C ~ 70°C (-40°F ~ 158°F)	-40°C ~ 70°C (-40°F ~ 158°F)	-40°C ~ 70°C (-40°F ~ 158°F)
Mounting Type	DIN-Rail Mount	DIN-Rail Mount	DIN-Rail Mount	Wall-Mount	Wall-Mount	Wall-Mount





## PoE Switch



3/4 <sup>th</sup> Digit: LAN Interface & Switch Type	
NO	Description
FE	Pure Fast Ethernet (100M)
FG	Mixed Fast Ethernet and Gigabit Ports Ethernet (Mixed 100M & 1000M)
GE	Pure Gigabit Ethernet (1000Mbps)
GT	Mixed Gigabit Ethernet & 10G Ethernet
TE	Pure 10G Ethernet
IH	Harden-Graded (-40°C ~ 75°C)

5 <sup>th</sup> Digit:	
NO	Description
D	Dip PoE
F	IEEE802.3af PoE
T	IEEE802.3at PoE
U	Ultra PoE ≥ 60W
S	Non PoE
V	VivoCam

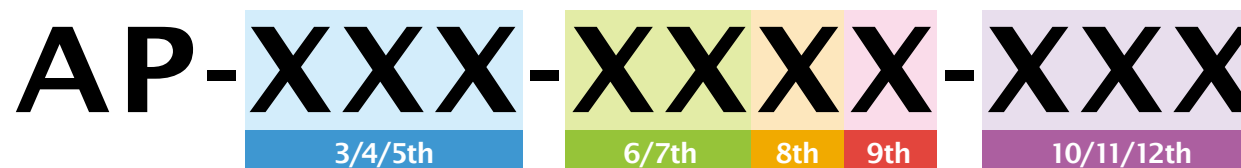
6/7 <sup>th</sup> Digit: Amount of Ports (Switch Port)	
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8 <sup>th</sup> Digit: Switch Function	
NO	Description
0,1	Unmanaged
4	Web Smart
7	Layer 2 Plus SNMP Switch

9 <sup>th</sup> Digit: Switch Function	
NO	Description
0-9	For External Power Models
A-Z	For Internal Power Models

10/11/12 <sup>th</sup> Digit: Watts of Power Supply	
Description	
Watts of Power Supply (For PSE Side Use)	

## PoE Injector / Extender



3/4/5 <sup>th</sup> Digit- Product Type	
NO	Description
FIC	Fast Ethernet (100Mbps) PoE Injector over Cat.x cable
GIC	Gigabit Ethernet (1000Mbps) PoE Injector over Cat.x cable
FXC	Fast Ethernet (100Mbps) PoE Extender over Cat.x cable

6/7 <sup>th</sup> Digit : Amount of Ports (Switch Port)	
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8 <sup>th</sup> Digit: For Used Area	
NO	Description
0-4	Indoor
5-9	Outdoor

9 <sup>th</sup> Digit : Stepping Number Reserve	
NO	Description
0-9	For External Power Models
A-Z	For Internal Power Models

10/11/12 <sup>th</sup> Digit: Watts of Power Supply (For PSE Side Use)	
Description	
Watts of Power Supply (For PSE Side Use)	



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