

Industrial Ethernet Switch



Features

NS-105/NS-205	NS-108/NS-208
Provides 5-Port of 10/100Base-TX	Provides 8-Port of 10/100Base-TX
Each port supports both 10/100 Mbps speed auto negotiation	Each port supports both 10/100 Mbps speed auto negotiation
Store-and-forward architecture	Store-and-forward architecture
Full duplex IEEE 802.3x and half duplex backpressure flow control	Full duplex IEEE 802.3x and half duplex backpressure flow control
1.4Gbps high performance memory bandwidth	2.0Gbps high performance memory bandwidth
DIN rail mount for industrial usage	DIN rail mount for industrial usage
Housing: Metal for NS-105; Plastic for NS-205	Housing: Metal for NS-108; Plastic for NS-208

Specifications

	NS-105/NS-108	NS-205/NS-208
Compatibility	IEEE 802.3, IEEE802.3u, IEEE802.3x	
MAC addresses	1K (automatic learning, aging, and migration)	
LEDs	Each port provides LEDs for network and power monitoring	
Operating temperature	0 ~ +70 °C	-30 ~ +75 °C
Storage Temperature	0 ~ +80 °C	-40 ~ +85 °C
Dimensions	NS-105: 70 x 160 x 125 mm NS-108: 70 x 160 x 125 mm	NS-205: 32.3 x 99.0 x 77.5 mm NS-208: 64 x 110 x 97.5 mm
Power requirements	+10 ~ +30Vdc (Removable Terminal Block)	

Ordering Information

Model	Description
NS-105	Unmanaged 5-Port Industrial 10/100 Base-TX Ethernet Switch
NS-108	Unmanaged 8-Port Industrial 10/100 Base-TX Ethernet Switch
NS-205	Unmanaged 5-Port Industrial 10/100 Base-TX Ethernet Switch
NS-205-CR	Unmanaged 5-Port Industrial 10/100 Base-TX Ethernet Switch(RoHS)
NS-208	Unmanaged 8-Port Industrial 10/100 Base-TX Ethernet Switch
NS-208-CR	Unmanaged 8-Port Industrial 10/100 Base-TX Ethernet Switch(RoHS)

Industrial Ethernet with Fiber Switch

Industrial Ethernet Switch with Fiber Optics Selection Guide

Model	Fiber Optics				Ethernet		Power Input
	Mode	Connector	Speed	Port	Speed	Port	
NS-115FC	Multi-mode	SC	100M	1	10/100M	4	DC+ 10~30V
NS-115FC-AC	Multi-mode	SC	100M	1	10/100M	4	AC85~230V
NS-115FT	Multi-mode	ST	100M	1	10/100M	4	DC+ 10~30V
NS-115FT-AC	Multi-mode	ST	100M	1	10/100M	4	AC85~230V
NS-200FC	Multi-mode	SC	100M	1	10/100M	1	DC+ 10~30V
NS-200FCS	Single-mode	SC	100M	1	10/100M	1	DC+ 10~30V
NS-200FT	Multi-mode	ST	100M	1	10/100M	1	DC+ 10~30V
NS-205FC	Multi-mode	SC	100M	1	10/100M	4	DC+ 10~30V
NS-205FCS	Single-mode	SC	100M	1	10/100M	4	DC+ 10~30V
NS-205FT	Multi-mode	ST	100M	1	10/100M	4	DC+ 10~30V
NS-206FC	Multi-mode	SC	100M	2	10/100M	4	DC+ 10~30V
NS-206FCS	Single-mode	SC	100M	2	10/100M	4	DC+ 10~30V
NS-206FT	Multi-mode	ST	100M	2	10/100M	4	DC+ 10~30V
NS-209FC	Multi-mode	SC	100M	1	10/100M	8	DC+ 10~30V
NS-209FCS	Single-mode	SC	100M	1	10/100M	8	DC+ 10~30V
NS-209FT	Multi-mode	ST	100M	1	10/100M	8	DC+ 10~30V

NS-200FC



NEW!!

NS-205FT



NEW!!

Features

- Automatic MDI / MDI-X crossover for plug-and-play
- Each port supports both 10/100 Mbps speed auto negotiation
- Store-and-forward architecture
- Full duplex IEEE 802.3x and half duplex backpressure flow control
- 3.2 Gbps high performance memory bandwidth.
- 1 K MAC addresses.
- Supports +10~+30Vdc voltage
- Supports operating temperatures from 0 ~ +70°C
- DIN rail mount for industrial usage

Ordering INFORMATION

A		I-7022	P5-25
ACE-540A	P5-31	I-7024	P5-25
ANT-15YG	P5-33	I-7033/I-7033D	P5-24
ANT-8	P5-33	I-7041/I-7041D	P5-26
C		I-7042/I-7042D	P5-26
CA-0945	P5-34	I-7043/I-7043D	P5-26
CA-3813	P5-34	I-7044/I-7044D	P5-26
CA-5810	P5-34	I-7045/I-7045D	P5-26
D		I-7050/I-7050D	P5-27
DIN-540A	P5-31	I-7050A/I-7050AD	P5-27
DIN-KA52F	P5-31	I-7051/I-7051D	P5-27
DN-PR4	P5-31	I-7052/I-7052D	P5-27
DN-SSR4	P5-31	I-7053_FG/I-7053D_FG	P5-27
DP-640/DP-660/DP-665/DP-1200	P5-31	I-7055/I-7055D	P5-28
G		I-7058/I-7058D	P5-28
GM29	P8-4	I-7059/I-7059D	P5-28
I		I-7060/I-7060D	P5-28
I-2541	P5-16	I-7063/I-7063D	P5-28
I-3625-ENC	P5-33	I-7063A/I-7063AD/I-7063B/I-7063BD	P5-29
I-7005	P5-19	I-7065/I-7065D/I-7065A/I-7065AD	P5-29
I-7011/I-7011D/I-7011P/I-7011PD	P5-19	I-7065B/I-7065BD	P5-30
I-7012/I-7012D/I-7012F/I-7012FD	P5-20	I-7066/I-7066D	P5-30
I-7013/I-7013D	P5-20	I-7067/I-7067D	P5-30
I-7014D	P5-21	I-7080/I-7080D	P5-30
I-7015	P5-21	I-7188/256;I-7188D/256	P4-3
I-7016/I-7016D/I-7016P/I-7016PD	P5-21	I-7188/512;I-7188D/512	P4-3
I-7017/I-7017C/I-7017F/I-7017R/I-7017RC	P5-22	I-7188E1/I-7188E1D	P4-24
I-7018/I-7018BL/I-7018P/I-7018R	P5-23	I-7188E2/I-7188E2D	P4-24
I-7019R	P5-24	I-7188E3/I-7188E3D	P4-24
I-7021/I-7021P	P5-25	I-7188E3-232/I-7188E3D-232	P4-24

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I-7188E4/I-7188E4D	P4-24	I-8037-G/I-8040-G/I-8041-G/I-8042-G	P3-24
I-7188E5/I-7188E5D	P4-24	I-8048-G/I-8050-G/I-8051-G	P3-25
I-7188E5-485/I-7188E5D-485	P4-24	I-8052-G/I-8053-G/I-8054-G/I-8055-G	P3-26
I-7188E8/I-7188E8D	P4-24	I-8056-G/I-8057-G/I-8058-G	P3-27
I-7188EA/I-7188EAD	P4-20	I-8060-G/I-8063-G/I-8064-G/I-8065-G	P3-29
I-7188EG/I-7188EGD	P4-21	I-8066-G/I-8068-G/I-8069-G	P3-30
I-7188EX/I-7188EXD	P4-18	I-8072-G/I-8073-G/I-8074W-G/I-8077-G	P3-31
I-7188EX-MTCP/I-7188EXD-MTCP	P4-19	I-8080-G/I-8081W-G/I-8082W-G	P3-32
I-7188XA/I-7188XAD	P4-4	I-8090-G/I-8091-G/I-8093-G	P3-33
I-7188XB/I-7188XBD	P4-5	I-8112-G/I-8114-G	P3-35
I-7188XC/I-7188XCD	P4-7	I-8142-G/I-8142i-G	P3-35
I-7188XG/I-7188XGD	P4-6	I-8144-G	P3-35
I-7231D/I-7232D	P4-13	I-8410/I-8410-G	P3-7
I-7241D/I-7242D	P4-15	I-8411/I-8411-G	P3-7
I-7510/I-7510A/I-7510AR	P5-16	I-8417-G	P3-17
I-7513	P5-16	I-8420-G	P3-15
I-7520/I-7520R	P5-15	I-8421-G	P3-13
I-7520A/I-7520AR	P5-15	I-8430/I-8430-G	P3-8
I-7521/I-7521D	P4-11	I-8430-MTCP-G	P3-10
I-7522/I-7522D	P4-11	I-8431/I-8431-G	P3-8
I-7522A/I-7522AD	P4-11	I-8431-MTCP-G	P3-10
I-7523/I-7523D	P4-11	I-8437-G	P3-17
I-7524/I-7524D	P4-11	I-8438-G	P3-19
I-7527/I-7527D	P4-11	I-87005W-G/I-87013-G/I-87015-G	P3-44
I-7530-G	P5-18	I-87016W-G/I-87017-G/I-87017R-G	P3-45
I-7540D-G	P5-18	I-87017RC-G/I-87017ML-G/I-87018-G	P3-46
I-7551	P5-15	I-87018R-G/I-87019R-G	P3-47
I-7560/I-7561/I-7563	P5-14	I-87022-G/I-87024-G/I-87026-G/I-87082-G	P3-48
I-8017H-G/I-8017HS-G	P3-34	I-87040-G/I-87041-G/I-87051-G	P3-38
I-8024-G	P3-34	I-87052-G/I-87053-G/I-87054-G	P3-39

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I-87055-G/I-87057-G/I-87058-G/I-87063-G	P3-40	M-7017	P6-8
I-87064-G/I-87065-G/I-87066-G	P3-41	M-7017R/M-7018/M-7018R	P6-9
I-87068-G/I-87069-G	P3-41	M-7019R	P6-9
I-87K4-G/I-87K5-G/I-87K8-G/I-87K9-G	P3-21	M-7022	P6-10
I-8810/I-8810-G	P3-7	M-7024	P6-10
I-8811/I-8811-G	P3-7	M-7033/M-7033D	P6-10
I-8817-G	P3-17	M-7041/M-7041D	P6-11
I-8830/I-8830-G	P3-8	M-7045/M-7045D	P6-11
I-8830-MTCP-G	P3-10	M-7050/M-7050D	P6-11
I-8831/I-8831-G	P3-8	M-7051/M-7051D	P6-11
I-8831-MTCP-G	P3-10	M-7052/M-7052D	P6-11
I-8837-G	P3-17	M-7053/M-7053D	P6-12
I-8838-G	P3-19	M-7055/M-7055D	P6-12
I-8KCPS1-G/I-8KCPS2-G	P3-13	M-7060/M-7060D	P6-12
I-8KDNS1-G/I-8KDNS2-G	P3-15	M-7067/M-7067D	P6-12
I-8KE4-G/I-8KE8-G	P3-11	M-7080/M-7080D	P6-12
I-950-ENC	P5-33	MMICON	P5-32
ISaGRAF-266-E/ISaGARF-256-C	P3-16	N	
iVIEW-100 Handheld HMI Controller	P4-8	NS-105/NS-108	P9-1
K		NS-115FC/NS-115FC-AC	P9-2
K-8045-G	P2-15	NS-115FT/NS-115FT-AC	P9-2
K-8345-G	P2-15	NS-200FC/NS-200FCS/NS-200FT	P9-2
K-8745-G	P2-15	NS-205	P9-1
KA-52F	P5-31	NS-205FC/NS-205FCS/NS-205FT	P9-2
M		NS-206FC/NS-206FCS/NS-206FT	P9-2
M1206	P8-4	NS-208	P9-1
M-7005	P6-8	NS-209FC/NS-209FCS/NS-209FT	P9-2
M-7015	P6-8	NWA0208	P8-3
M-7016/M-7016D	P6-8	NWA0214	P8-3

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NWH6110	P8-2	W-8337-G	P2-5
NWH660	P8-2	W-8339-G	P2-5
P		W-8341-G	P2-11
PCISA-7520AR	P5-15	W-8347-G	P2-12
PCISA-7520R	P5-15	W-8349-G	P2-12
PW-3090	P7-2	W-8731-G	P2-4
PWR-24/110	P5-31	W-8737-G	P2-5
PWR-24/220F	P5-31	W-8739-G	P2-5
PWR-24/230R	P5-31	W-8741-G	P2-11
R		W-8747-G	P2-12
RM-10X/RM-20X	P5-31	W-8749-G	P2-12
RM-38	P5-34	X	
RM-48.61/RM-48.62	P5-34	X000	P4-31
S		X001	P4-31
SG-3011/SG-3013/SG-3016	P7-1	X002	P4-28
SG-3071/SG-3081	P7-2	X003	P4-31
SST-2450	P5-33	X004	P4-28
SST-900EXT	P5-33	X005	P4-28
T		X006	P4-28
T-316	P8-2	X100	P4-31
Touch 506T/Touch 506L/Touch 510T	P5-32	X101	P4-31
W		X102	P4-31
W-8031-G	P2-4	X103	P4-31
W-8037-G	P2-5	X104	P4-31
W-8039-G	P2-5	X105	P4-31
W-8041-G	P2-11	X106	P4-31
W-8047-G	P2-12	X107	P4-28
W-8049-G	P2-12	X109	P4-28
W-8331-G	P2-4	X110	P4-28

Ordering INFORMATION

X111	P4-28	X518	P4-30
X116	P4-28	X560	P4-30
X119	P4-28	X600	P4-30
X200	P4-31	X601	P4-30
X202	P4-28	X607	P4-30
X203	P4-28	X608	P4-30
X300	P4-32	X702	P4-30
X301	P4-32	X703	P4-30
X302	P4-32		
X303	P4-29		
X304	P4-29		
X305	P4-29		
X308	P4-29		
X309	P4-29		
X310	P4-29		
X400	P4-32		
X500	P4-32		
X501	P4-32		
X502	P4-32		
X503	P4-29		
X504	P4-29		
X505	P4-29		
X506	P4-29		
X507	P4-29		
X508	P4-30		
X509	P4-30		
X510	P4-30		
X510-128	P4-30		
X511	P4-30		