## FAST ETHERNET UNMANAGED SWITCHES

### Fast Ethernet Desktop Switch

MODEL CODE	TYPE
SMCFS501	5 Port 10/100 Switch
SMCFS801	8 Port 10/100 Switch

10/100Mbps Unmanaged Fast Ethernet Desktop Switch

#### **FEATURES**

- Supports Auto-MDI/MDI-X on all ports
- Features Store-and-Forward mode with wire-speed filtering and forwarding rates
- IEEE802.3x compliant full-duplex flow control, HOL blocking prevention
- Broadcast storm control and CRC Filtering
- LED indicators for simple troubleshooting
- 3 Year Warranty



### Fast Ethernet Desktop Switch

MODEL CODE	TYPE
SW3205P	5 Port 10/100 Switch
SW3208P	8 Port 10/100 Switch
SW3216P	16 Port 10/100 Switch

10/100Mbps Unmanaged Desktop Fast Ethernet Switch

### **FEATURES**

- Supports Auto-MDI/MDI-X on all ports
- Extensive front-panel diagnostic LEDs
- Provides Store-and-Forward architecture and full wire speed forwarding and filtering rates
- All UTP Ports support full/half duplex modes
- All UTP Ports support 10/100Mbps (Auto negotiation)
- Complies with the IEEE 802.3 Ethernet, IEEE 802.3u Fast Ethernet Standards
- Supports flow control: back pressure for half-duplex mode, IEEE802.3x for full-duplex mode
- External power supply
- 2 Year Warranty





### Fast Ethernet Rackmount Switch

	MODEL CODE	TYPE
	SMCFS1601	16 Port 10/100 Switch
ľ	SMCFS2401	24 Port 10/100 Switch
ľ	SMCFS2601	24 Port 10/100 Switch + 2 Port Gigabit

10/100Mbps Unmanaged Rackmount Switch

#### **FEATURES**

- SMC Green Saving Technology
- Power saving by auto-detection of active ports
- Power saving by cable length Auto-Detection
- Filtering and forwarding at full wire speed on all ports
- Automatic address learning
- Plug and play
- Supports Auto-MDI/MDI-X on all ports
- Desktop and rack mountable (brackets included)
- Internal power supply



### Fast Ethernet Rackmount Switch

MODEL CODE	TYPE	
SW3116R SW3124R	16 Port 10/100 Switch 24 Port 10/100 Switch	

10/100Mbps Rackmount Unmanaged Fast Ethernet Switch

- Complies with IEEE802.3 Ethernet, IEEE802.3u Fast Ethernet Standards
- Provides Store-and-Forward architecture and full wire speed filtering and forwarding rate
- Supports Auto-MDI/MDI-X on all ports
- Extensive front-panel diagnostic LEDs
- All UTP Ports support full/half duplex and auto-negotiation
- Supports flow control: back-pressure for half-duplex, IEEE802.3x for full-duplex mode
- Rack mountable, brackets included
- 2 Year Warranty





## GIGABIT UNMANAGED SWITCHES

### Gigabit Desktop Switch

### MODEL CODE TYPE

SMCGS501 5 Port Gigabit Switch
SMCGS801 8 Port Gigabit Switch

10/100/1000Mbps Unmanaged Desktop Switch

#### **FEATURES**

- Supports Auto-MDI/MDI-X on all ports
- Supports Jumbo Packets up to 9K bytes
- Features Store-and-Forward mode with wire-speed filtering and forwarding rates
- IEEE802.3x compliant full-duplex flow control, HOL blocking prevention
- Broadcast storm control and CRC Filtering
- LED indicators for simple troubleshooting
- 3 Year Warranty



### Gigabit Desktop Switch

MODEL CODE	TYPE
SW5500G	5 Port Gigabit Switch
SW5800G	8 Port Gigabit Switch

#### **FEATURES**

- Complies with the IEEE 802.3, IEEE 802.3u and IEEE 802.3ab standards
- Supports Auto-MDI/MDI-X on all ports

10/100/1000Mbps Unmanaged Desktop Switch

- Supports flow control, Non-blocking and Jumbo Frame
- Smart Green Ethernet technology reduces power consumption by 30%~50% - Automatically detects the length of the Ethernet cable and adjusts the power consumption
  - Detects the link status of each port, when the port is idle, it reduces its power usage
- 2 Year Warranty







### Gigabit Rackmount Switch

# MODEL CODE TYPE SMCGS1601 16 Port Gigabit Switch 24 Port Gigabit Switch

10/100/1000Mbps Unmanaged Rackmount Switch

#### **FEATURES**

- Supports Auto-MDI/MDI-X on all ports
- Green Ethernet power saving
- Support IEEE 802.1p Quality of Service
- Metal Chassis
- 3 Year Warranty







### Gigabit Rackmount Switch

	MODEL CODE	ITPE	
1	GS-1016 VEW GS-1026	16 Port Gigabit Switch 24 Port + 2 SFP Ports	

10/100/1000Mbps Unmanaged Rackmount Switch

- Supports High-Speed Networking and Jumbo Frames
- Supports Auto-MDI/MDI-X on all ports
- Supports Auto-Negotiation
- Supports Non-Blocking Wire Speed
- Supports Store and Forward Architecture
- Built in 2 SFP Ports (GS1026)
- 2 Year Warranty







## MANAGED SWITCHES

### Fast Ethernet Layer 2 Switch

MODEL CODE	TYPE
SMC6128L2	24 10/100 Ports + 4 Gigabit + 4 SFP Slots
SMC6152L2	48 10/100 Ports + 4 Gigabit + 4 SFP Slots

Standalone 24/48 port 10/100 Managed Layer 2 Switch



#### **FEATURES**

- 24/48 Port 10/100BASE-T Layer 2 managed switch with gigabit copper & SFP ports
- High port density in a small footprint
- IP Clustering allows up to 32 units to be managed from a single IP address
- VLANs with GVRP
- IGMP Snooping
- Multi link Trunking with LACP can group links between switches to provide higher bandwidth connections on both 10/100 and gigabit
- Comprehensive security support RADIUS, IEEE802.1x, SSH, SSC, TACACS+, ACL
- Rack mount brackets included
- 3 Year Warranty



### Gigabit Layer 2 Switch

MODEL CODE	ТҮРЕ
SMC8126L2	26 Port Gigabit + 4 SFP Slots
SMC8150L2	50 Port Gigabit + 4 SFP Slots

Standalone 26/50 port 10/100/1000 Managed Layer 2 switch including 4 Gigabit SFP combo ports



#### **FEATURES**

- 26/50 Port 10/100/1000 with 4x Gigabit SFP Ports
- High-gigabit port density in a small footprint
- IP Clustering allows up to 32 units to be managed from a single IP address
- VLAN with GVRP
- IGMP snooping
- Multi link Trunking with LACP can group links between switches to provide higher bandwidth connections on both 10/100 and gigabit
- Comprehensive security support RADIUS, IEEE802.1x, SSH, SSC, TACACS+, ACL
- Rack mount brackets included
- 3 Year Warranty



### Gigabit Layer 2 Smart Managed Switch

MODEL CODE	TYPE
SMC8024L2	24 Port Gigabit + 4 SFP Slots

Standalone 24 port 10/100/1000 Managed Layer 2 switch including 4 combo (RJ45/SFP) ports



- 24 Port 10/100/1000 with 4x Gigabit SFP Ports
- Standalone managed switch in a small footprint
- Supports four levels of priority, with weighted fair queuing and L2/3/4 IP precedence
- VLAN with advanced QinQ support
- IGMP Snooping
- Multi link Trunking with LACP can group links between switches to provide higher bandwidth connections on both 10/100 and gigabit
- Comprehensive security support RADIUS, IEEE802.1x, SSH, SSC, TACACS+, ACL
- Rack mount brackets included
- 3 Year Warranty



## MANAGED SWITCHES / MANAGED POE SWITCH

### Gigabit Layer 3 Stackable Switch

MUDEL CUDE	TYPE
SMC8824M	24 port Gigabit + 4 SFP Slots
SMC8848M	48 port Gigabit + 4 SFP Slots

Stackable 24/48 port 10/100/1000 Managed Layer 3 switch with  $2x\ 10G$  Uplink slots &  $2x\ Stacking\ Ports$ 



#### **FEATURES**

- The SMC8824M enables you to stack 8 units, 192 ports max.
- The SMC8848M enables you to stack 4 units, 192 ports max.
- Layer 3 Routing Support
- High-port density and migration protection in a small footprint
- Supports four levels of priority, with weighted fair queuing and L2/3/4 IP precedence
- VLAN with GVRP and 802.1v
- IGMP Snooping
- Supports RADIUS, IEEE802.1x, SSH, SSL, TACACS+, ACL
- Multi link Trunking with LACP can group links between switches to provide higher bandwidth connections on both 10/100 and gigabit
- Redundant Power Supply
- IPv4 and IPv6 Management options
- Rack mount brackets included
- 3 Year Warranty



### Gigabit Layer 3 Fibre Switch

MODEL CODE	TYPE
SMC8612XL3	4 Port Gigabit + 12 SFP Slots

Standalone Layer 3 Managed 12 SFP Port Gigabit Switch



### **FEATURES**

- 12 SFP 1000BASE-X ports with 4 10/100/1000 UTP ports
- Operating at wire-speed for optimal switching and IP routing
- Support IP/RIP, OSPF routing protocols; future support to PIM-DM/SM
- IGMP and DVMRP multicast protocol supported for todays multimedia application
- Fully featured with security and management tools/protocols
- Adherence to IP and multicast routing protocols to maximize overall network performance
- Layer 2/3/4 CoS with IP precedence and IP DSCP to ensure smooth transmission of vital data
- Layer 2 isolation between ports within the same private VLAN plus support for automatic GVRP LAN registration for maximum security and bandwidth efficiency
- Rack mount brackets included
- 3 Year Warranty



## Fast Ethernet Layer 2 PoE Switch

MODEL CODE	TYPE
SMC6128PL2	24 10/100 PoE + 4 Gigabit + 2 SFP Slots
SMC6152PL2	48 10/100 PoE + 4 Gigabit + 2 SFP Slots

Standalone 24/48 port 10/100 Managed Layer 2 switch with POE including 4x gigabit ports



- 24/48 Port 10/100 with PoE Layer 2 managed switch plus 4 Gigabit ports and 2 SFP combo ports
- SMC6128PL2 PoE on all copper ports 180W max.
- SMC6152PL2 PoE on all copper ports 370W max.
- High port density in a small footprint
- IP Clustering allows up to 32 units to be managed from a single IP address
- VLANs with GVRP
- IGMP Snooping
- Multi link Trunking with LACP can group links between switches to provide higher bandwidth connections on both 10/100 and gigabit
- Comprehensive security support RADIUS, IEEE802.1x, SSH, SSC, TACACS+, ACL
- Rack mount brackets included
- 3 Year Warranty



## MANAGED POE SWITCHES

### Gigabit Layer 2 PoE Switch Full Powered

### MODEL CODE TYPE

SMC8126PL2-F 24 Port Gigabit PoE + 6 SFP Slots

Standalone 24 port 10/100/1000 Managed Layer 2 Switch with Full Powered PoE including 2x Gigabit SFP Combo Ports



#### **FEATURES**

- 24 Port 10/100/1000 with PoE + 6 Gigabit SFP Ports
- Supports IEEE802.3af PoE on all copper ports, 370W max.
- High-gigabit port density in a small footprint
- Supports IP clustering
- VLAN with GVRP
- IGMP Snooping
- Multi link trunking with LACP can group links between switches to provide higher bandwidth connections on both 10/100 and gigabit
- Comprehensive security support RADIUS, IEEE802.1x, SSH, SSC, TACACS+, ACL
- Rack mount brackets included
- 3 Year Warranty



### Gigabit Layer 2 PoE Switch

MODEL CODE	TYPE
SMC8124PL2	24 Port Gigabit PoE + 2 SFP Slots

Standalone 24 port 10/100/1000 Managed Layer 2 Switch with PoE including 2x Gigabit SFP Combo Ports



#### **FEATURES**

- 24 Port 10/100/1000 with PoE + 2 Gigabit SFP ports
- Supports IEEE802.3af PoE on all copper ports 180W max.
- High-gigabit port density in a small footprint
- Supports IP Clustering
- VLAN with GVRP
- IGMP Snooping
- Multi link trunking with LACP can group links between switches to provide higher bandwidth connections on both 10/100 and gigabit
- Comprehensive security support RADIUS, IEEE802.1x, SSH, SSC, TACACS+, ACL
- Rack mount brackets included
- 3 Year Warranty



### Gigabit Layer 2 PoE Switch

## MODEL CODE TYPE

SMCGS10P

8 Port Gigabit POE + 2 SFP Slots

 $8\ Port\ PoE\ Smart\ Gigabit\ Switch\ with\ 2x\ SFP\ Ports.\ QoS,\ VLAN\ and\ PoE\ web\ configuration$ 



- 8 Port 10/100/1000 with PoE + 2 Gigabit SFP ports
- Supports IEEE802.3af PoE on all copper ports 75W max.
- VLAN with GVRP
- IGMP Snooping
- IPv6 Management
- Multi link trunking with LACP can group links between switches to
- provide higher bandwidth connections on both 10/100 and gigabit
- Comprehensive security support RADIUS, IEEE802.1x & SSH
- 3 Year Warranty



## POE SWITCHES / POE ADAPTERS

### Fast Ethernet PoE Switch

MODEL CODE	TYPE
SW5808P SW5816P	8 Port 10/100 Switch with PoE, 120W max. 16 Port 10/100 Switch with PoE (Rackmount) 250W max.

10/100Mbps 802.3af Compliant Ethernet Switches

### **FEATURES**

- Conforms to IEEE 802.3 10BASE-T, IEEE802.3u 100BASE-XT and IEEE 802.3x flow control standards
- Supports 10/100Mbps auto-detect half/full duplex
- Supports TP auto MDI/MDI-X function for auto TX/RX swap
- Supports 802.3x flow control pause packet for full duplex
- SW5808P supports VLAN, QoS
- SW5816P supports VLAN, Port trunking & IGMP, QoS
- SW5816P supplied with rackmount kit
- 2 Year Warranty



### Power Over Ethernet (PoE) Injector

MODEL CODE	TYPE
IP-PWR30 IP-PWR40	15.4W PoE Injector, IEEE 802.3af compliant 30W PoE Injector, IEEE 802.3af & IEEE 802.3at (Highpower PoE) compliant

#### **FEATURES**

- Ideal when AC power is not available
- Full-power Class 3 PoE design
- Power output of up to 15.4 Watts (IP-PWR30), 30 Watts (IP-PWR40)
- Supports all IEEE 802.3af-compliant PoE devices (Wireless LAN access points and bridges, VoIP (Voice over Internet Protocol) telephones, IP surveillance cameras)
- Supports IEEE 802.3af detection and short circuit, overload and highvoltage protection
- 3 Year Warranty





### Fast Ethernet PoE Switch

MODEL CODE	TYPE
SW5844P	8 Port 10/100 Switch comprising 4 Ports 10/100 LAN only Switch 4 Ports 10/100 Switch with PoE, 61W total

10/100Mbps 802.3af Compliant Ethernet Switch

#### **FEATURES**

- Conforms to IEEE 802.3 10BASE-T, IEEE802.3u 100BASE-XT and IEEE 802.3x flow control standards
- Supports 10/100Mbps auto-detect half/full duplex
- Supports TP auto MDI/MDI-X function for auto TX/RX swap
- Supports 802.3x flow control pause packet for full duplex
- 2 Year Warranty





### Power Over Ethernet (PoE) Splitter

MODEL CODE	TYPE
IP-PWR20	Power over Ethernet Splitter

- IEEE 802.3af-compliant PoE splitter
- Can be used to connect non-PoE IEEE 802.3af-compliant devices to a PoE injector or PoE switch
- Output current selectable: 5, 7.5, 9 or 12V DC
- Output power max: 15.4W
- 10/100 auto-sensing input port automatically detects optimal network speeds
- RJ-45 input port with Auto-MDIX and NWAY auto-negotiation support full/half duplex operation
- Compact metal case
- LED for link on PoE input port
- 3 Year Warranty





## VDSL PRODUCTS / ADSL BROADBAND ROUTER

### VDSL2 Managed IP DSLAM

MODEL CODE

TYPE

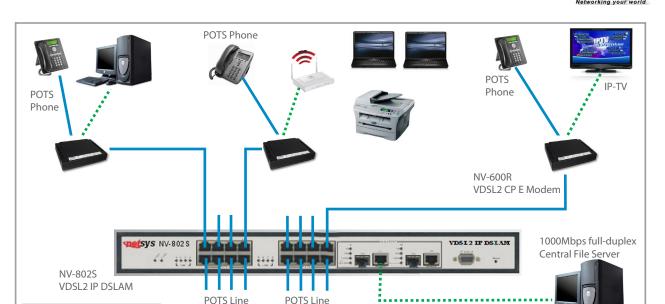
**WW** NV-802S

8 Port VDSL2 DSLAM with 2 x Gigabit RJ45/SFP Combo Ports

VDSL2 is an access technology that exploits the existing copper wiring infrastructure originally deployed for POTS services. VDSL2 is designed to support the wide deployment of Triple Play services such as voice, video, data, high definition television (HDTV) and interactive gaming. VDSL2 can deliver speeds of 100 Mbps/s at 0.3 km and 50 Mpbs/s at 1 km with a maximum distance of 1.6Km at ADSL2+ speeds.

The NV-802S is an ideal solution for delivering cost-effective, high-performance broadband/multimedia services to Multi-Tenant Units (MTUs) or Multi-Dwelling Units (MDUs) such as hotels, campus, hospitals and telecom. Multiple NV-802S units can be interconnected to support a large number of subscribers.





### VDSL2 Point to Point Modem

**APPLICATION DIAGRAM** 

MODEL CODE	TYPE	
NV-600L NV-600R	VDSL2 CO Modem VDSL2 CPE Modem	

### **FEATURES**

- Speeds up to 100 Mbps symmetrical (200Mbps aggregate bandwidth) at distances up to 300M
- Distances over 1,280M at asymmetrical speeds over 30Mbps downstream and 3Mbps upstream
- Requires 1 twisted-pair network grade cable or phone line
- Ideal for backbone networking, remote access points and delivering high-speed video, data and voice services
- Auto-sensing/auto-configuring link operation for max. speed
- Accommodates POTS/ISDN service over the same phone line
- 4x auto-sensing 10/100 Mbps Uplink Ports with Auto MDIX
   Supports Web Based (HTTP) Management
- Built-in POTS/ISDN splitter
- Full-featured Router functionality



### ADSL2+ Modem / Router

MODEL CODE	TYPE
SMC7904BRA3	4 x LAN

- ADSL2+ technology provides enhanced data transmission speeds, up to 24Mbps for downstream and 1Mbps for upstream
- IR-067 compliant
- Built-in DDNS Client enables SOHO users to host websites or ftp servers without paying for static IP address
- SNMP support allows multiple branch offices or locations to be managed centrally or remotely
- Configure via setup wizard
- SPI firewall







## SFP CONVERTER RACK / SFP MODULES

### 16 Port SFP Media Converter Rack

MODEL CODE	TYPE	HEIGH
NEW SFP-16AC	16 Port	1RU

#### **FEATURES**

- IEEE802.3u, IEEE802.3ab, IEEE802.3z
- Auto-Cross over for MDI/MDIX in TP port
- 100/1000Mbps Auto-Negotiation in TX port
- 100/1000Mbps, depending on the Link Speed of SFP port
- Supports Power/FDX/FX & TP Link Activity/FX & TP Speed LED
- Supports Link pass through and Link Alarm
- Converts 16 Fast Ethernet/Gigabit Ethernet to SFP sockets
- Supports any third-party standard SFP device
- Fully transparent Layer 1 wire-speed conversion
- 1 Year Warranty



### Gigabit SFP Module

	MODEL CODE	TYPE	COMPATIBILITY
_			
	SFP-SX550CI	LC, Multi-mode	CISCO & Generic
	SFP-SX550HP	LC, Multi-mode	HP & Generic
	SFP-LX10CI	LC, Single-mode	CISCO & Generic
1	SFP-LX10HP	LC, Single-mode	HP & Generic

Gigabit multi-mode SFP Module 500M. Wavelength MM 1530 nm Gigabit single-mode SFP Module 10KM. Wavelength SM 1310 nm 3 Year Warranty





### Fast Ethernet SFP Module

MODEL CODE	TYPE	COMPATIBILITY
SMCFEMM	LC, Multi-mode	CISCO & Generic
SMCFESM	LC, Single-mode	CISCO & Generic

Fast Ethernet multi-mode SFP Module 500M. Wavelength MM 1530 nm Fast Ethernet single-mode SFP Module 10KM. Wavelength SM 1310 nm 3 Year Warranty





### Copper SFP Module

	MODEL CODE	TYPE	COMPHIBITITY
	SFP-T1G	1000 RJ45 Port	CISCO & Generic
W	SFP-T1GHP	1000 RJ45 Port	HP & Generic
Q.	SFP-T	10/100/1000 RJ45 Port	CISCO & Generic*
W	SFP-THP	10/100/1000 RJ45 Port	HP & Generic*

Auto Sensing 10/100/1000 RJ45 SFP Module, 3 Year Warranty





### Gigabit SFP WDM Module

MODEL CODE	TYPE	COMPATIBILITY
WSFP-WDM-3 WSFP-WDM-3HP WSFP-WDM-10 WSFP-WDM-10HP	3Kms LC Single-mode 3Kms LC Single-mode 10Kms LC Single-mode 10Kms LC Single-mode	CISCO & Generic HP & Generic CISCO & Generic HP & Generic

Gigabit SFP WDM Modules allow RX + TX signals down a single fibre using different 1310 & 1550 wavelengths. Available in both 3Km and 10Km. SFP modules sold in pairs, 3 Year Warranty



## MEDIA CONVERTERS

### Media Converter Rack

MODEL CODE	TYPE
LAN-RACK-16	16 Slots
LAN-RACK-PSU	Optional Redundant PSU

16 Slot Media Converter Rack with optional Redundant Power Supply Unit

The Universal Media Converter Rack provides 16 slots for any combination of CTS Media Converters. Up to sixteen media converters can be powered by the converter rack without requiring external power supplies. 3 Hot-swappable fans can be changed while in operation.

#### **FEATURES**

- 16x Module Slots For CTS Media Converters
- 2x Slide-in Hot-swappable power supply unit
- 3x Hot-Swappable Fans
- 19" Rack mountable 2U Height
- LED Indication for Primary and Backup Power Supply
- Power Supply Load Sharing Design
- Plug and play
- Dimensions 440 x 385x 88 mm (WxDxH)
- 2 Year Warranty



## Fibre to Fast Ethernet Unmanaged

MODEL CODE	CONNECTOR	DISTANCE
LAN-100BTFT	ST	Multi-mode 2KM
LAN-100BTFC	SC	Multi-mode 2KM
LAN-100BTFC30	SC	Single-mode 30KM

### **FEATURES**

- 10/100TX to 100FX
- Complies with IEEE802.3 and IEEE802.3u Standards
- Extended Fibre Optic Distance from 2km to 30km
- Plug and play
- External Power Supply
- Metal Case
- 2 Year Warranty



### Fibre to Gigabit Ethernet Unmanaged

MODEL CODE	CONNECTOR	DISTANCE
LAN-3002BTFC LAN-3002BTFC10	SC SC	Multi-mode 550M Single-mode 10KM
LAN-3002SFP	SFP slot	

### **FEATURES**

- Supports Auto MDI-MDIX on copper port
- Plug and play

#### **SPECIFICATIONS**

- Standards: IEEE 802.3z 1000Base-SX & IEEE 802.3ab 1000Base-T
- Interface: 1000Base-T: 1xRJ45 Interface, 1000Base-SX: 1xSC Interface
- Data Transfer Rate: 2Gbps Full duplex
- Diagnostic LEDs: Power, FDX, TP Link, Fiber Link, Act
- 2 Year Warranty



## MEDIA CONVERTERS

### Managed SFP Media Converter

MODEL CODE	TYPE
LAN-2112SFP	Fast Ethernet 10/100 to 100M Fibre SFP Managed Converter
LAN-3112SFP	Gigabit 10/100/1000 to 1000M Fibre SFP Managed Converter

#### **FEATURES**

- LAN-2112SFP complies with IEEE 802.3 10Base-T, IEEE 802.3u 100Base-TX/FX
- LAN-3112SFP complies with IEEE 802.3ab 1000Base-T, IEEE 802.3z 1000Base-X
- Store and Forward Switching Mechanism
- Auto-Negotiation in TP port, Auto Cross-over for MDI/MDIX in TP port
- Supports SFF-8472 DMI, Flow Control, Jumbo frame 9K bytes, Link Alarm, Loopback test
- Supports Selectable ISP Ethernet Tag Type
- Supports Q-in-Q Double Tag configuration
- Supports Bandwidth Control, DHCP Client
- Supports SNMP/Web Managed interface, SNMP v1 and v2c
- Supports HTTP Firmware Upgrade, Power Down Trap Management
- Mini GBIC SFP not included



### Managed Media Converter

MODEL CODE	TYPE
LAN-3112BTFC	Gigabit 10/100/1000 UTP

Gigabit 10/100/1000 UTP to 1000Base-X Single-mode SC Fibre Managed Converter - 10 KM

#### **FEATURES**

- 10/100/1000Base-T to 1000Base-X media converter
- Stand-alone converter allows connection of Ethernet twistedpair network to optical-fibre network to a maximum distance of 10Km
- Fully compliant with IEEE 802.3, 802.3u, 802.3ab & 802.3z standards
- Easy installation & operation
- Manage and monitor the real time operation status via SNMP or WEB management interface
- 2 Year Warranty



WDM to Fast Ethernet Converter

MODEL CODE	CONNECTOR	DISTANCE	WAVELENGTH
LAN-100W2A	SC	20KM	TX:1310NM, X1550NM
LAN-100W2A-40	SC	40KM	TX:1310NM, X1550NM
LAN-100W2B	SC	20KM	TX:1550NM, X1310NM
LAN-100W2B-40	SC	40KM	TX:1550NM, X1310NM

#### **FEATURES**

- Complies with IEEE802.3 and IEEE802.3u Standards
- Two-Wavelength Single-mode Fibre WDM Converter
- 10/100 Auto Negotiation or manual setting for RJ45 Port Speed
- Wavelength Division Multiplexers (WDM) allow both transmit and receive signals to be sent at different wavelengths down one Single-mode fibre cable. This technology enables the bandwidth to be effectively doubled on Single-mode fibre implementations.
- External Power Supply
- 2 Year Warranty



### Singlemode to Multi-mode Media Converter

MODEL CODE	TYPE
LAN-2102FSM	100Mbps Multi-mode SC to 100Mbps Single-mode SC
LAN-3102FSM	Gigabit Multi-mode SC to Gigabit Single-mode SC

#### **FEATURES**

- LAN-2102FSM Complies with IEEE 802.3u 100Base-FX Standard
- LAN-3102FSM Complies with IEEE 802.3z 1000Base-SX/LX Standard
- Unique Multi-mode to Single-mode Design
- Easy to upgrade or expand existing fibre network
- Plug and play installation
- 2 Year Warranty



**E**TCTS

**TOTS** 

## **PRINT SERVERS**

### Single Port Print Server

MODEL CODE	TYPE
PS-1206P	1x Parallel Port
PS-1206U	1x USB Port

#### **FEATURES**

- Complies with IEEE 802.3, IEEE 802.3u Wired Ethernet standards
- Provides one USB 2.0 (PS-1206U) or parallel port (PS-1206P) to connect to printer
- Supports TCP/IP, IPX/SPX, NetBEUI and AppleTalk network protocols
- Supports LPR, IPP, SMB/TCP, Raw Printing and Unix Logical printing protocols
- Supports Peer-to-Peer Printing (TCP/IP/IPX/NetBEUI/AppleTalk)
- Supports Server-based printing (Novell NetWare and Windows)
- Compatible with all major operating systems (Windows 95/98/ Me/T/2000/XP/Vista/NetWare (3.x above)/Unix/Linux
- Supports DHCP Server and Client protocol
- Supports Web-based management, Windows Configuration Utility and SNMP Protocol
- 2 Year Warranty





### **USB Multi-Function Wireless Print Server**

MODEL CODE	TYPE	
PS-1206MFG	1x USB, Wireless 802.11g	
FEOTUDES		

#### FEATURES

- Compatible with major printer brands (current printer compatibility list available on request)
- Provides one USB 2.0 port to connect to MFP or printer
- Share printer with USB port to PCs through Wireless Network
- Supports TCP/IP, IPX/SPX, NetBEUI and AppleTalk network protocols
- Supports LPR, IPP, SMB/TCP, Raw Printing and Unix Logical printing protocols
- Supports Peer-to-Peer Printing (TCP/IP/IPX/NetBEUI/AppleTalk)
- Supports Server-based printing (Novell NetWare and Windows)
- Compatible with all major operating systems (Windows 95/98/Me/ NT/2000/XP/Vista/NetWare (3.x above)/Unix/Linux
- Supports DHCP Server and Client protocol
- Supports Web-based management, Windows Configuration Utility and SNMP Protocol
- 2 Year Warranty





### **USB Multi-Function Print Server**

MODEL CODE	ТҮРЕ
PS-1206MF	1x USB Port

#### **FEATURES**

- Compatible with major printer brands (current printer compatibility list available on request)
- Provides one USB 2.0 port to connect to MFP or printer
- Share printer with USB port to PCs through Wired Network
- Supports TCP/IP, IPX/SPX, NetBEUI and AppleTalk network protocols
- Supports LPR, IPP, SMB/TCP, Raw Printing and Unix Logical printing protocols
- Supports Peer-to-Peer Printing (TCP/IP/IPX/NetBEUI/AppleTalk)
- Supports Server-based printing (Novell NetWare and Windows)
- Compatible with all major operating systems (Windows 95/98/Me/ NT/2000/XP/Vista/NetWare (3.x above)/Unix/Linux
- Supports DHCP Server and Client protocol
- Supports Web-based management, Windows Configuration Utility and SNMP Protocol
- 2 Year Warranty





### 3 Port Print Server

MODEL CODE	TYPE
PS-3207U	2x USB, 1x Parallel Printer Ports

- Provides 10/100 Mbps auto-sensing port that complies with IEEE 802.3 and 802.3u standards
- Supports TCP/IP, IPX/SPX, NetBEUI network protocols
- Supports LPR, Email Printing, Raw Printing, Unix Logical Printer
- Supports Peer-to-Peer Printing (TCP/IP/IPX/NetBEUI)
- Supports Server-based printing (Novell NetWare and Windows)
- Compatible with all major operating systems (Windows 95/98/Me/ NT/2000/XP/Vista/NetWare (3.x above)/Unix/Linux)
- Supports bi-directional capability
- Supports DHCP (both client and server) protocol
- Efficient print job transfer using DMA (Direct Memory Access).
- Supports Web-based management, Windows Configuration Utility, SNMP Protocol
- 2 Year Warranty



### Fast Internet Network Interface Card

MODEL CODE	TYPE
LAN-9130TXL	32-Bit 33MHz PCI 10/100Mbps NIC
LAN-HH9130	Low Profile Bracket for LAN-9130TXL

#### **FEATURES**

- Complies with IEEE 802.3, 802.3u and 802.3x standards
- Supports 32-bit, 33MHz PCI Local Bus Master Version 2.2/2.1
- Supports 10/100Mbps auto-negotiation and Full/Half Duplex
- Supports ACP
- Easy plug and play installation auto setup of IRQ and I/O address
- Built-in FIFO buffers eliminate the need for external memory
- LED indicators to identify network link/activity
- Compatible with Windows 98SE/2000/XP/Vista, Mac OS 10.4
- 2 Year Warranty



### PCI Gigabit Network Card

MODEL CODE	TYPE
LAN 0225 22	22 hit DCI 10/100/1000 Mhm NIC
LAN-9235-32 NEW I AN-HH9235	32 bit PCI 10/100/1000 Mbps NIC

### **FEATURES**

- Complies with IEEE 802.3, 802.3u, 802.3ab and 802.3x standards
- Supports IEEE 802.3x Full Duplex flow control to enhance throughput
- Supports IEEE 802.1Q VLAN Tagging
- Includes a Setup Wizard program
- Supports 10/100/1000 Mbps Auto Negotiation and jumbo frame
- Easy Plug and play auto setup of IRQ and I/O address
- Supports PCI 2.2 Wake On LAN function
- Supports Auto MDI/MDI-X
- Supports 32-bit, 66/33MHz PCI Local Bus Master for high speed operation of Rev.2.3/2.2/2.1 specification
- Compatible with Windows 98SE/ME/2000/XP/Vista and Mac OS 10.4.x up, and Linux OS
- 2 Year Warranty

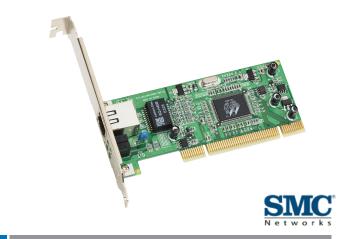


### PCI Gigabit Network Card

MODEL CODE	TYPE
SMC9452TX	32 Bit 33/66MHz PCI, 10/100/1000 Mbps NIC

#### **FEATURES**

- Complies with IEEE 802.3ab 1000Base-T, 802.3u 100Base-TX standards
- Full Duplex and Auto-negotiation
- PCI Bus, supporting 33/66 MHz speed and 32-bit data transfer size
- Marvell® Virtual Cable TesterTM for advanced cable diagnostics
- Jumbo Frame support and IP Checksum Offloading
- Quality of Service (QoS) and Virtual LAN support
- 3 Year Warranty



### PCI Express Gigabit Network Card

	MODEL CODE	TYPE	
I	LAN-9260-E LAN-HH9260E	PCI Express Gigabit RJ45 NIC Low Profile Bracket for LAN-9260-E	

- PCI Express x1 slot compliant
- Complies with IEEE 802.3, 802.3u, 802.3ab standards
- Auto-negotiation for 10/100/1000 Mbps Ethernet networks
- Supports Windows 2000/XP/2003/Vista and Linux OS
- ROHS compliant
- Wake on LAN (WOL) and active state power management
- Link Aggregation (Trunking)
- Hot Plug and play (Hot swapping)
- Supports transmission control protocol (TCP), user datagram protocol (UDP), Internet protocol (IP), and checksum calculations
- Full duplex mode
- Automatic MDI/MDIX crossover at all speeds
- 2 Year Warranty



## ETHERNET CONVERTERS / IP CAMERA

### USB 2.0 to 10/100 Mbps Ethernet Converter

MODEL CODE	TYPE
LAN-EU4207	USB 2.0 to 10/100 Mbps Ethernet Converter

#### **FEATURES**

- Complies with USB 2.0 and USB 1.1 specifications
- Compatible with IEEE 802.3 (10Base-T) and 802.3u (10Base-TX) and T4 standards
- Single chip USB to 10/100 Mbps Fast Ethernet controller
- Embedded 20KB SRAM for RX packet buffering
- Supports both full-duplex and half-duplex operations
- Supports suspended mode and remote wake-up
- Powered by USB port
- Equipped with diagnostic LEDs
- Plug and play
- PHY power down mode for power saving
- Compatible with Windows 2000/XP/Vista/Mac OS 10.1 & above





### Serial to Ethernet Adapter

MODEL CODE	TYPE
SCSN-011	IP Serial Server

### **FEATURES**

- External Serial to Ethernet solution
- Built-in web page for easy configuration and operation
- Supports 10/100 Mbps Ethernet
- Supports RS-232, RS-422 and RS-485 serial interface
- Supports LAN and WAN communications
- In Server mode, supports individual client sessions for security
- Management access password protected





### Mega Pixel Day and Night Pan / Tilt IP Camera

MODEL CODE	TYPE
LAN-IC7010PT	Wired, Pan/Tilt Camera
I AN-IC7010PTN	Wireless 802.11n Pan/Tilt Camera

- 1.3 Mega Pixel CCD for High Quality Images and Streaming
- 11pcs IR Led for Day and Night operation, IR on below 2Lux
- Supports MPEG4 and M-JPEG video streaming
- Supports motorized Pan/Tilt with a viewing angle (±3550 horizontally and ±1200 vertically)
- Supports multiple profile to output MPEG4 and M-JPEG at the same time
- Built-in SDHC/SD card slot
- Supports multi area motion detection & snapshot to email & FTP
- Supports two-way audio
- Supports pre-recording + post-recording up to 5 seconds for the triggered event
- Includes 16-channel view and record utility to view up to 16 cameras simultaneously
- 2 Year Warranty





## NETWORK IP CAMERAS

### Megapixel Outdoor Network Dome Camera

MODEL CODE LENS TYPE

NFD130-IRV 2.7 - 9mm lens Outdoor Megapixel Night-Vision

### **FEATURES**

- Excellent image quality with 30fps full-motion video in VGA and 15fps video in 1.3MP resolution
- 1.3 Progressive-Scan Megapixel CMOS image sensor
- Supports image resolutions up to 1280 x 1024 (1.3 Megapixel) or 1280 x 720 (720p)
- IR corrected DC-controlled auto-iris megapixel vari-focal lens
- Integrated motion detection with pre- and post-alarm image/video buffering
- Event-triggered FTP and e-mail upload of still images and videos
- Supports multiple simultaneous H.264, MPEG4, Motion-JPEG and 3GPP video streams
- Supports low light or night conditions, minimum 0 lux (complete darkness)
- Mobile phone streaming live video through 3GPP/ISMA/RTSP
- Supports privacy zone and text overlay functionality
- Supports UPnP with UPnP port forwarding capability
- Integrated e-mail, FTP, DDNS and DHCP client
- Supports IEEE 802.3af PoE injectors, mid- and endspans
- Easy-to-use 16-channel camera viewing and recording utility included
- Vandal proof IP66 rated weather resistant housing
- 3 Year Warranty





H.264 MPEG4







**Night Vision** 



### Megapixel Indoor Network Dome Camera

MODEL CODE LENS TYPE

NFD130-IR 2.7 - 9mm lens Indoor Megapixel Night-Vision

- Excellent image quality with 30fps full-motion video in VGA and 15fps video in 1.3MP resolution
- 1.3 Progressive-Scan Megapixel CMOS image sensor
- Supports image resolutions up to 1280 x 1024 (1.3 Megapixel) or 1280 x 720 (720p)
- IR sensitive, supports external IR illuminators
- Supports IEEE 802.3af PoE injectors, mid- and endspans
- Integrated motion detection with pre- and post-alarm image/video buffering
- Event-triggered FTP and e-mail upload of still images and videos
- Supports multiple simultaneous H.264, MPEG4, Motion-JPEG and 3GPP video streams
- Supports low light or night conditions, minimum 0 lux (complete darkness)
- Mobile phone streaming live video through 3GPP/ISMA/RTSP
- Supports privacy zone and text overlay functionality
- Supports UPnP with UPnP port forwarding capability
- Integrated e-mail, FTP, DDNS and DHCP client
- Easy-to-use 16-channel camera viewing and recording utility included
- 3 Year Warranty







## NETWORK IP CAMERAS

### MPEG4 Network Dome Camera

MODEL CODE TYPE

NFD30 Dome MPEG4

#### **FEATURES**

- Excellent image quality with 30 fps full-motion video in all resolutions
- Progressive-scan image sensor with OmniPixel2 technology
- Supports image resolutions up to 640 x 480 (VGA)
- Audio support, full duplex, up to 8 kHz, with integrated microphone
- 3.7 12 mm, F1.4 vari-focal lens
- Integrated motion detection with pre- and post-alarm image/video buffering
- Event-triggered FTP and e-mail upload of still images and videos
- Supports simultaneous MPEG4 and Motion-JPEG image compression
- Selectable video buffer for smoother video streaming
- Supports MPEG4 video streaming with CBR (constant bit rate) & VBR (variable bit rate) modes
- Supports low light conditions, minimum 0.5 lux
- Mobile phone streaming live video through 3GPP / ISMA / RTSP
- Supports privacy zone and text overlay functionality
- MPEG4 + Motion-JPEG + 3GPP mobile phone streaming, audio and 10x digital zoom
- Supports UPnP with UPnP port forwarding capability
- Integrated e-mail, FTP, DDNS and DHCP client
- Supports IEEE 802.3af Power over Ethernet injectors, mid- and endspans
- Easy-to-use 16-channel camera viewing and recording utility included
- 3 Year Warranty





### Outdoor MPEG4 Night Vision Network Camera

MODEL CODE TYPE

NBC30-IR Outdoor MPEG4, IR

- Excellent image quality with 30 fps full-motion video in all resolutions
- Progressive-scan image sensor with OmniPixel2 technology
- Supports image resolutions up to 640 x 480 (VGA)
- IP67 rated, waterproof and dust tight
- Supports low light and nighttime conditions, minimum 0 lux (complete darkness)
- Infrared LEDs with 35 m effective range
- Audio support, full duplex, up to 8 kHz
- Integrated motion detection with pre- and post-alarm image/video buffering
- Event-triggered FTP and e-mail upload of still images and videos
- Supports simultaneous MPEG4 and Motion-JPEG image compression
- Selectable video buffer for smoother video streaming
- Supports MPEG4 video streaming with CBR (constant bit rate) and VBR (variable bit rate) modes
- IR sensitive, supports external IR Illuminators
- Mobile phone streaming live video through 3GPP / ISMA / RTSP
- Supports privacy zone and text overlay functionality
- MPEG4 + Motion-JPEG + 3GPP mobile phone streaming, audio and 10x digital zoom
- Supports UPnP with UPnP port forwarding capability
- Integrated e-mail, FTP, DDNS and DHCP client
- Supports IEEE 802.3af Power over Ethernet injectors, mid- and endspans
- Easy-to-use 16-channel camera viewing and recording utility included
- 3 Year Warranty







### Megapixel H.264 Network IP Camera

### MODEL CODE TYPE

NFC31 Wired, PoE Support

NFC31-WG Wireless

#### **FEATURES**

- 1.3 Progressive-Scan Megapixel CMOS image sensor for crystal-clear images
- Supports image resolutions up to 1280 x 1024 (1.3 Megapixel) or 1280 x 720 (720p)
- Supports simultaneous H.264, MPEG4 and Motion-JPEG image compression
- Excellent image quality 30 fps full-motion video in VGA & 15 fps video in 1.3 Megapixel resolution
- Audio support, full duplex, up to 8 kHz, with integrated microphone
- Integrated motion detection with pre- and post-alarm image/video buffering
- Event-triggered FTP and e-mail upload of still images and videos
- Supports low light conditions, minimum 0.5 lux
- Mobile phone streaming live video through 3GPP / ISMA / RTSP
- Supports UPnP with UPnP port forwarding capability
- Integrated e-mail, FTP, DDNS and DHCP client
- NFC31 supports IEEE 802.3af Power over Ethernet injectors, mid- and endspans
- Easy-to-use 16-channel camera viewing and recording utility included
- 3 Year Warranty







MPEG4









### Megapixel Night Vision H.264 Network Camera

### MODEL CODE TYPE

NFC31-IR Wired, PoE Support

NFC31-IRWG Wireless

### **FEATURES**

- 1.3 Progressive-Scan Megapixel CMOS image sensor for crystal-clear images
- Supports image resolutions up to 1280 x 1024 (1.3 Megapixel) or 1280 x 720 (720p)
- Supports simultaneous H.264, MPEG4 and Motion-JPEG image compression
- Excellent image quality 30 fps full-motion video in VGA & 15 fps video in 1.3 Megapixel resolution
- $\quad\blacksquare\quad$  Audio support, full duplex, up to 8 kHz, with integrated microphone
- Integrated motion detection with pre- and post-alarm image/video buffering
- Supports low light or nighttime conditions, minimum 0 lux (complete darkness)
- Equipped with an IR lens with 12 IR LEDs and one IR sensor
- IR sensitive, supports external IR Illuminators
- Event-triggered FTP and e-mail upload of still images and videos
- Mobile phone streaming live video through 3GPP / ISMA / RTSP
- Mobile phone live image through 2.5 WAP
- Windows Live Messenger support
- Supports privacy zone and text overlay functionality
- H.264 + MPEG4 + Motion-JPEG + 3GPP mobile phone streaming, audio and 10x digital zoom
- Supports HTTPS encryption and IP filter for enhanced security
- Supports UPnP with UPnP port forwarding capability
- Integrated e-mail, FTP, DDNS and DHCP client
- NFC31-IR supports IEEE 802.3af Power over Ethernet injectors, mid- and endspans
- Easy-to-use 16-channel camera viewing and recording utility included
- 3 Year Warranty











**Night Vision** 

## NETWORK IP CAMERAS

### MPEG4 Network Camera

### MODEL CODE TYPE

NFC30 Wired, PoE Support

NFC30-WG Wireless

#### **FEATURES**

- Excellent image quality with 30 fps full-motion video in all resolutions
- Progressive-scan image sensor with OmniPixel2 technology
- Supports image resolutions up to 640 x 480 (VGA)
- Audio support, full duplex, up to 8 kHz, with integrated microphone
- Integrated motion detection with pre- and post-alarm image/video buffering
- Event-triggered FTP and e-mail upload of still images and videos
- Supports simultaneous MPEG4 and Motion-JPEG image compression
- Supports MPEG4 video streaming with CBR (constant bit rate) and VBR (variable bit rate) modes
- Supports low light conditions, minimum 0.5 lux
- Mobile phone streaming live video through 3GPP / ISMA / RTSP
- Windows Live Messenger support
- Supports privacy zone and text overlay functionality
- MPEG4 + Motion-JPEG + 3GPP mobile phone streaming, audio and 10x digital zoom
- Supports UPnP with UPnP port forwarding capability
- Integrated e-mail, FTP, DDNS and DHCP client
- NFC30 supports IEEE 802.3af Power over Ethernet injectors, mid- and endspans
- Easy-to-use 16-channel camera viewing and recording utility included
- 3 Year Warranty





### MPEG4 Night Vision Network Camera

#### MODEL CODE TYPE

NFC30-IR Wired, PoE Support

NFC30-IRWG Wireless

- Excellent image quality with 30 fps full-motion video in all resolutions
- Progressive-scan image sensor with OmniPixel2 technology
- Supports image resolutions up to 640 x 480 (VGA)
- Audio support, full duplex, up to 8 kHz, with integrated microphone
- Integrated motion detection with pre- and post-alarm image/video buffering
- Event-triggered FTP and e-mail upload of still images and videos
- Supports simultaneous MPEG4 and Motion-JPEG image compression
- Selectable video buffer for smoother video streaming
- Supports MPEG4 video streaming with CBR (constant bit rate) and VBR (variable bit rate) modes
- Supports low light and nighttime conditions, minimum 0 lux (complete darkness)
- Equipped with an IR lens with 12 IR LEDs and one IR sensor
- IR sensitive, supports external IR Illuminators
- Supports privacy zone and text overlay functionality
- MPEG4 + Motion-JPEG + 3GPP mobile phone streaming, audio and 10x digital zoom
- Supports UPnP with UPnP port forwarding capability
- Integrated e-mail, FTP, DDNS and DHCP client
- NFC30-IR supports IEEE 802.3af Power over Ethernet injectors, mid- and endspans
- Easy-to-use 16-channel camera viewing and recording utility included
- 3 Year Warranty







### Gigabit Ethernet 2-Bay SATA NAS Server

### MODEL CODE

#### **TYPE**

NS-2502

Gigabit Ethernet 2-Bay SATA NAS Server

2 Bay Gigabit SATA NAS Server, built-in FTP and Samba server. Supports SATA RAID 0/1, UPnP, Media Server and iTunes server. Supports P2P download BitTorrent & FTP/HTTP download agent.

#### **FEATURES**

- Complies with IEEE 802.3u and IEEE 802.3ab standards
- Supports 10/100/1000Base-TX
- Build-in FTP and Samba server
- Supports SATA RAID 0 (Striping)/1(Mirror) for high speed/data backup applications
- Supports CIFS, NTFS, FAT16, FAT32, ext2, ext3 file systems
- Supports USB mass storage
- Supports file sharing via FTP or Network Neighbourhood
- Supports P2P download (Bit Torrent) & FTP/HTTP download agent
- Supports UPnP, Media Server and iTune Server
- 2 Year Warranty





### Smart Android Media Player

#### MODEL CODE

ACR-VE91200

AC Ryan VEOLO combines the most demanded functions to provide a complete digital home entertainment device - Apps, internet and a media streamer all on your TV. VEOLO is based on the market-leading Android 2.2 Froyo platform, bringing an enhanced experience for Apps on a TV, including games and social media. The built-in web browser and Java support allow you to view Flash websites and stream videos. Stream your library of music, movies and photos in Full HD with Gigabit 1000Mbps wired LAN. VEOLO also includes built-in wireless 802.11 b/g/n LAN. The ARM Cortex-A9 1GHz processor and onboard 512MB DDR3 ensures VEOLO operates at lightning-fast speeds.

AC Ryan includes a 3-in-1 Remote Control as standard with VEOLO. All the functionality of a keyboard & mouse, wireless motion controller and standard remote control, packed into one stylish, uncluttered remote control.

#### **FEATURES**

- Internet TV web browser with HTML5, Adobe Flash & Chrome V8
   JavaScript support
- Apps and Widgets via AndroidPIT
- Full HD Network Media Streamer, with the most format support
- VEOLO 3-in-1 Remote Control, including QWERTY keyboard and wireless pointer
- Gigabit 10/100/1000Mbps wired LAN and Built-in wireless 802.11 b/g/n
- 2 Year Warranty

### HARDWARE

- 1GHz ARM Cortex-A9 with Floating Point Unit
- JAVA Hardware Acceleration
- 3D Graphics Hardware Acceleration Engine with OpenGL ES support
- 512MB DDR3 Memory
- 4GB NAND Flash Memory for OS and Apps installation







