



ETHERNET? ATHEROS!



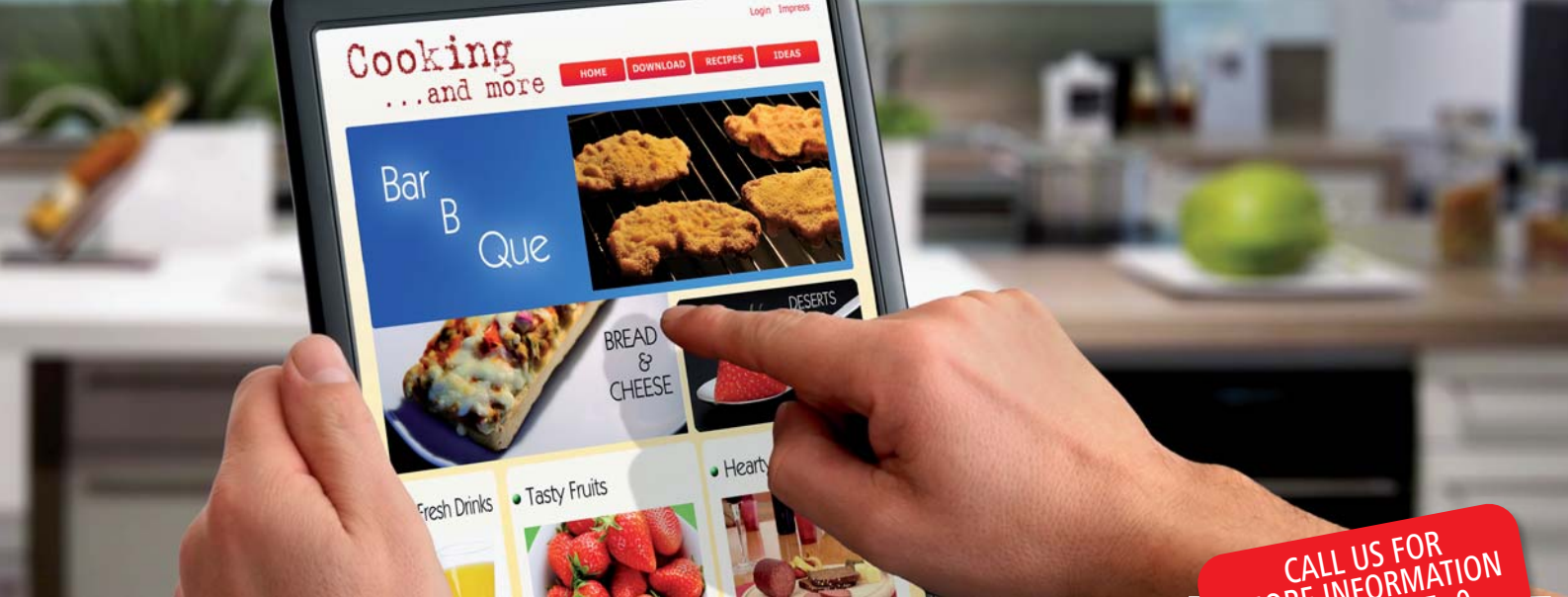
Gb-Ethernet Switches and PHYs from Atheros

CODICO offers a wide range of Ethernet Components: PHYs (or Ethernet Transceivers) being from smallest 100Base-T PHY to latest generation single PHYs including Wake-on Lan, IEEE802.3az (EEE), IEEE1588v2 and Synchronous Ethernet and from commercial to industrial temperature applications; Switches from lowest cost, lowest power consumption unmanaged 6-Port Fast-Ethernet to high-performance 7-Port Gigabit-Ethernet Switches. CODICO offers more ETHERNET products beyond these. Please feel free to contact us!

SWITCHES						
PART	DESCRIPTION	PORTS	ETHERNET SPEEDS [Mb/s]	INTERFACES	MAC/VLAN	OPERATING TEMP.
AR8236	6 Ports - Layer 2 Switch	6	6 x 100/100	5 x 100B-T + 1 x RMII/ MII	1k/ 4k	0°C to +70°C
AR8228	7 Ports - Layer 2 Switch	7	3 x 1000/100/10 + 4 x 100/10	4 x 100B-T + 2 x (R)GMII/(R)MII + 1 x RGMII/ MII	1k/ 4k	0°C to +70°C
AR8229	7 Ports - Layer 2 Switch	7	3 x 1000/100/10 + 4 x 100/10	4 x 100B-T + 2 x (R)GMII/(R)MII + 1 x RGMII/ MII	1k/ 4k	-40°C to +85°C
AR8316	6 Ports - Layer 2 Switch	6	6 x 1000/100/100	4 x 1000B-T + 2 x (R)GMII/(R)MII	2k/ 4k	0°C to +70°C

PHYs						
PART	PORTS	ETHERNET SPEEDS [Mb/s]	MAC I/F	MEDIA	PACKAGE	OPERATING TEMP.**
AR8032	Single	100/10	R/MII	Copper	QFN-32	Com. and Ind.
AR8021	Single	1000/100/10	RGMII, RMII	Copper	QFN-40	Commercial

**Com. Operating Temp.: 0°C to +70°C, **Ind. Operating Temp.: -40°C to +85°C



WLAN from ATHEROS

In cases where data needs to be transferred wireless in a local WiFi network, we supply chip and module solution in various complexity, from or based on the market leader in WLAN technology, ATHEROS. ATHEROS' wireless technologies offer clear performance and cost advantages in easy-to-build, complete solutions which enable our customers' quick time to market with a better product.

STANDARD	INTERFACE	FREQUENCY	MIMO	TEMP. RANGE	PRODUCT	MANUFACTURER
802.11abg	PCI, SDIO	2,4GHz, 5GHz		std., industrial	single chip	Atheros
802.11n	PCI, PCIe, SDIO, USB	2,4GHz, 5GHz	1x1, 2x2, 3x3	std., industrial	chip-set, single chip	Atheros
802.11a/b/g/n	PCIe Mini Card mini-PCI, USB	2,4GHz, 5GHz	1x1, 2x2, 3x3	std., industrial	module	Wistron (Atheros based)

Powerline Communication from ATHEROS

Powerline communications (PLC) technology provide a save and secure digital high speed inter-connection method with up to 500 Mbps data rate over the existing wiring in the house. This includes but is not limited to door entry wiring, phone wiring, coax cable, TV wiring, electrical / mains wiring or any other kind of two wire connections. In addition it allows operation of PLC in parallel with any existing applications on these wires. With this features it offers a simple, easy and reliable way for interconnecting security appliances like sensors, cameras, control and alarm units over large distances in the house without new cable installations.



PART	DESCRIPTION	PHY SPEED [Mb/s]	TYPICAL REACH AC [m]	TYPICAL REACH CO-AX [m]	TEMPERATURE RANGE [°C]	MAX. NO. OF NODES	LINK ENCRYPTION
INT5500-HO-TR	HomePlug 1.0 with Turbo Power Line Chipset	85	300	500m	0 to 70	32	Yes / 56-bit DES
INT5500ENZ-TR	HomePlug 1.0 with Turbo Power Line Chipset	85	300	500m	-10 to 85	32	Yes / 56-bit DES
Moduel based on INT5500 Horizontal Mount	HomePlug 1.0 with Turbo Simple Module	85	300	500m	0 to 70	32	Yes / 56-bit DES
Moduel based on INT5500 Vertical Mount	HomePlug 1.0 with Turbo Simple Module	85	300	500m	0 to 70	32	Yes / 56-bit DES
INT6400CKZ-TR	HomePlug AV Power Line Chipset	200	300	500m	0 to 70	256	Yes / 128-bit AES
INT6400ENZ-TR	HomePlug AV Power Line Chipset	200	300	500m	-10 to 85	256	Yes / 128-bit AES
Moduel based on INT6400 Horizontal Mount	HomePlug AV Simple module	200	300	500m	0 to 70	256	Yes / 128-bit AES
Moduel based on INT6400 Vertical Mount	HomePlug AV Simple module	200	300	500m	0 to 70	256	Yes / 128-bit AES
AR7400-AC2C	HomePlug AV and IEEE1901 Power Line Chipset	500	300	500m	0 to 70	256	Yes / 128-bit AES