

Model No : FN5-11P

Lanready Network Appliance – Support 1 High Profile Mini PCI Socket (7W /each)



Key Feature :

- CPU- Intel IXP42x-based network processor
- Flash-8/16MB
- DRAM-32/64MB
- Mini PCI-
 - 1 mini PCI Slot
 - High profile Socket (9.2mm in height)
 - Support hi-power, up to 7 watt
 - Provide both 3.3V and 5V power source
 - Support mini PCI module with extra length, up to 65mm
- Support Real-time-clock
- PoE – Proprietary , 12V-60VDC
- Provides 5V Power Output pins
- Provides JTAG
- Console port with RJ11 connector
- One Buzzer , optional circuit, GPIO controlled
- 7 LEDs, indicate status , Ethernet activity , mini PCI status
(3 additional LEDs reserved for Wireless strength, GPIO controlled)
- Support Over voltage protection
- Provide External Power Input thru STB (Screw Terminal Block)
- Temperature Sensor – enable application to read board temperature for further system control
- Support Wide-Range Temperature

FN5-11P is a fully-featured reference appliance for based on the Intel®IXP42x-based network processor, targeting small and medium business and embedded computing applications. FN5-11P enables rapid evaluation and



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development of converged “ solution in a box “ products – integrating Carrier-grade High Power wireless and WiMax outdoor bridge , enterprise-grade wireless access point , Medical Ethernet-enable equipment .

FN5 is also targeted at general-purpose evaluation and development requirements in support of the Intel®IXP42x-based product lines. The board is fully RoHS compliant and is in full production .

Application :

- Outdoor/Indoor 3G Router
- Outdoor/Indoor WiMax CPE
- Outdoor/Indoor AP Bridge
- Outdoor/Indoor Point-to-Multi-Point
- Outdoor /Indoor Hot Spot
- Industrial-Use Wireless Access Point
- Medical Ethernet-enable equipment

Software and Tools Support

Bootloader	Rednoot v2.01
Operating Systems	Linux
Application Software	Wili AP

Specifications	
Base Platform	Intel IXP 420/425
Clock Speed	266/533 MHz
Serial Port	RS-232 to RJ11 RS-232 Pin Out (reserve for OEM request)
Reset Switch	Push-button momentary contact switch
Standards Conformance	IEEE 802.3 / IEEE 802.3u
Fast-Ethernet Configuration	10/100 BASE-TX auto-negotiation Ethernet port x 2 (RJ-45 connector) Auto MDI/MDI-X enabled LAN Port : 1 , WAN Port : 1
Mini PCI	1 * High Profile Socket (9.2mm in height)
Mini PCI Power Capacity	7W per slot
SDRAM	32 Mbytes /64Mbytes
Flash	8 Mbytes/16Mbytes
LED Indicators	7 LEDs, Power(1), LAN(1) , Wireless(1) , Wireless Signal Strength

	(3) by GPIO controller , Status (1)
RTC (optional)	Support Real-time-clock (optional)
5V Power Output	Provides 5V pins for application use (ex : Fan control)
External Power Input STB (optional)	DCJack , STB (Screw Terminal Block) , RJ45 PoE
Buzzer (optional)	One buzzer, optional circuit , GPIO controlled (optional)
Temperature Sensor (optional)	Read board temperature for further system control (optional)
Over Voltage Protection	Yes
JTAG reserved	On board connector to connect to off the shelf JTAG CPU emulator
Environmental & Mechanical Characteristics	
Operating Temperature	-20 °C ~ 85 °C
Storage Temperature	-40 °C ~ 85 °C
Operating Humidity	10% to 80% Non-Condensing
Storage Humidity	5% to 90% Non-Condensing
Power Consumption	3.36 W
Input Power	12-60 VDC
Connector	DC-In Jack , RJ 45 (Power Over Ethernet) , RJ11(Console) , STB (Screw Terminal Block)
Power Supply	AC Input : 110 – 220V AC Power DC Output : 12 VDC, 1.5A input
Unit Dimensions	100 x 100 (mm) (Width x Depth)
Certifications	ROHS compliant