

Model No : FN5-22PF (V5.0)

Lanready Network Appliance – Support 2 Mini PCI Socket (7W /each)



Key Feature :

- CPU- Intel IXP42x-based network processor
- Flash-16MB /32MB
- DRAM-32/64MB/128MB
- Mini PCI-
 - 2 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
- Support Over voltage protection
- Support Wide-Range Temperature

FN5-22PF is a fully-featured reference appliance for based on the Intel®IXP42x-based network processor, targeting small and medium business and embedded computing applications. FN5-22PF enables rapid evaluation and 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 .



LanReady Technologies Inc.

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Application :

- Outdoor/Indoor Dual Radio Mesh Router
- 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

Software and Tools Support

Bootloader	Rednoot v2.01
Operating Systems	Linux
Application Software	Wiligear Mesh
	Wiligear Access Point

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	2
Mini PCI Power Capacity	7W per slot
CF Socket	1
SDRAM	64 Mbytes /128 Mbytes
Flash	16 Mbytes/32 Mbytes
LED Indicators	Power, WAN, WLAN



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RTC	Support Real-time-clock
5V Power Output	Provides 5V pins for application use (ex : Fan control)
Buzzer	One buzzer, optional circuit , GPIO controlled
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	4.32 W
Input Power	12-60 VDC
Connector	DC-In Jack , RJ 45 (Power Over Ethernet) , RJ11(Console)
Power Supply	AC Input : 110 – 220V AC Power DC Output : 12 VDC, 1.5A input
Unit Dimensions	180 x 120 (mm) (Width x Depth)
Certifications	ROHS compliant