Wi200-C24 100 Mbits, Ethernet natif & 4 E1
Sans licence, un seul boitier extérieur.

Antenne
blindée de 30 cm

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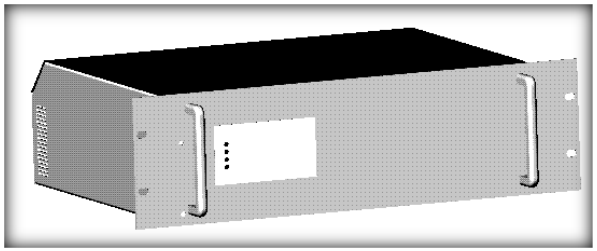
blindée de 30 cm

Composantes du système Wi200-C24



Alimentation sécurisée avec batteries 48 VDC et régulateur de protection 36~65 VDC /48VDC. 6 à 600 heures d'autonomie

Switch spécifique 48 VDC avec POE, Vlan, & automatismes pour les configurations Mesh et Ring intégrés

Boitier radio extérieur blindé étanche connecteurs étanches 18 broches pour 4 E1 et RJ 45 pour Ethernet

Caractéristiques du WiRAKE Wi200-C24
Full Duplex 100 Mbits (Débit utile 200 Mbits)

- Intégralement extérieur (ODU)
- Capacité: maximale 108 Mbits
- Radio Full Duplex, 1 canal TX et 1 canal RX
- Largeur de bande des canaux: 7/14/28MHz
- Modulations: QPSK, 16APSK, 32APSK ACM- (Adaptive Coding and Modulation)
- Interfaces: 10/100Eth+4E1
- Trafic: Ethernet seulement ; Eth+1E1 à Eth+4E1
- Gamme de fréquence: 24 GHz
- PoE +- Power over Ethernet
- ATPC- Contrôle Automatique de puissance
- ''Radio Verte'': consommation 20W sous 48 VDC
- Puissance maximale (dBm): QPSK+5; 16APSK+4 32APSK+3

Ethernet:

- 100 BaseTX, connecteur RJ45 Full Duplex
- Débit programmable dans les limites 0 à 200 Mbps utiles.
- Niveau 2, taille des trames: 1.916 Bytes
- Qualité de Service(QoS)
- 802.1p prioritisation avec 4 files de priorité
- 802.1q VLAN support

E1(TDM):

- 1-4E1 symétriques (120 ohms)
- Connecteur à 18 contacts étanche

Conforme au Développement Durable
Compliant with Sustainable Development

NORMES: Annexe A7 http://www.anfr.fr/pages/tnrbf/A7.pdf I.a Equipements non spécifiques Ils permettent différents types d'applications sans fil, notamment de télécommande et télécontrôle, télémesure, transmission d'alarmes, de données, et éventuellement de voix et de vidéo.
Fréquences et puissance:
24,00 à 24,10 GHz 100 mW (20dBm) p.i.r.e. Recommandation ERC/REC 70-03 (annexe 1)
24,15 à 24,25 GHz 100 mW (20dBm) p.i.r.e. Décision 2008/432/CE Recommandation ERC/REC 70-03 (annexe 1)

WiRAKE Wi200-C24 Product Overview

- ''GREEN RADIO''
- WI200 C-24 series is the new next generation product line which is targeting growing demands for data transmission over 24 Ghz 100 milliwatts microwave radio free of licences.
- As a result the primary traffic interface for WI200 C-24radio is Fast Ethernet. In addition, WI200 C-24 is capable of delivering up to 4E1 interfaces for legacy connectivity or any other use.
- As WI200 C-24 is capable of providing up to 108 Mbps of bit rate to all interfaces combined. This product provides perfect solution for a user looking for higher than PDH E3 capacity.
- The excellent WI200 C-24 radio and modem performance allows achieving perfect system capacity by employing 32-level modulation scheme by user's choice and getting benefit from adaptive equalization of received signal.
- Apart from the full system capacity of 108Mbps, it is possible to configure the radio to any of 7 MHz, 14 MHz and 28MHz channel bandwidths as well as to any of QPSK, 16APSK, 32APSK, modulations, thus providing various capacities to suit particular need.
- Use of ATPC (Automatic Transmit Power Control) and ACM (Adaptive Coding and Modulation) together with QoS prioritizing improves link utilization and ensures data flow integrity at any given time in any link condition by maintaining the highest link spectral efficiency possible.
- WirakeWi200-C24 has employed most modern design solutions and components to create high performance compact radio with low power consumption of 20-25W per radio, thus we have a capability of feeding the unit by using standard PoE+ (Power over Ethernet extension) from our HyperDSL Ruggedized Mesh and ring Level 3 switch
- WI200 C-24 is a perfect building block for any modern future proof wireless network, including mobile service providers, fixed data service operators, enterprise customers, municipal and governmental networks among others.

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Wi200-C24 TECHNICAL SPECIFICATION

Frequency Range (GHz)		24
Channel bandwidth (MHz)		7 / 14 / 28
Modulation		QPSK / 16APSK / 32APSK
Capacity		108Mbps
Performance		
Frequency stability (ppm)		+/-7
Guaranteed max	QPSK	+5
power (dBm)	16APSK	+4
	32APSK	+3
RSL Threshold at BER 10-6, 28MHz, 32APSK, 108Mbps		-75dBm to -90 dBm
Adaptive Coding and Modulation(ACM)		Hitless
Ports		
Flange		Circular 10mm
Ethernet with PoE		RJ-45 (data traffic, management port, power)
4E1		18-pin connector
RSL port, RSSI, BNC connector		Output voltage vs RSL: 0 to 1.4V vs -90 to -20dBm
Serial port for configuration		Twin BNC
Environmental requirements		
Stationary use		Ref. ETSI EN 300 019-2-4, class 4.1E
Temperature range		-33° to +55°C
Mechanical data		
Dimensions: HxWxD, mm / weight, kg		285x285x80 / 3.5
DC Power distribution		
Max. power consumption		20-25W
Management Features		
TSP/IP		WEB, SNMP, Telnet - local and remote
ASCII Terminal		Serial via Twin-BNC
Monitoring		Via Telnet, WEB GUI, Wirake NMS, SNMP Manager