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IFQ332 Dense Edge QAM

INTRODUCTION

IFQ332 is a next generation Edge QAM designed to meet the growing demand for content distribution over HFC network. IFQ332 supports multiplexing and scrambling with dense IP input and up to 32/64 QAM output. The IFQ332 is a great value for program redistribution which can meet different system integration needs.

FEATURES

- High-density, 1.6Gbps/3.2Gbps input
- 32 or 64 QAM Channels
- Independent selection of each QAM frequency

- Perfect for program distribution
- Up to 512/1024 TS/IP streams input

IFQ332 Dense Edge QAM

SPECIFICATIONS

Chassis & Management

Interface	1 x 100 Base-TX, RJ45 (IFQ332) 2 x 100 Base-TX, RJ45 (IFQ332-64)
NMS Support	Yes
SNMP Support	Yes
Web-based NMS	Yes
Online Upgrade	Yes
Multiplexing	Support
Scrambling	Support

QAM Output

Output	32xQAM outputs (IFQ332) 64xQAM outputs (IFQ332-64)
Standard	ITU-T J.83 Annex A/B/C
QAM Constellation	64/256 QAM
Output Level	90~115dBuV according to modulation frequency quantity
Output Range	QAM A/C: 57~858MHz QAM B: 108~858MHz
Bandwidth	6/7/8MHz
MER	≥40dB (equalized)
PCR Correction	Support

Multiplexing

Table Supported	SI/PSI
PID Processing	Pass-through, remapping, filtering
EIT Processing	Pass-through
External Data	EPG, PID and SI insertion

IP Input

Interface	2x100/1000Mbps ports (IFQ332) 4x100/1000Mbps ports (IFQ332-64)
IP Encapsulation	MPEG TS over UDP/RTP
MPEG TS	MPTS and SPTS
I/O Processing	Up to 512 channels (IFQ332) Up to 1024 channels (IFQ332-64)
Addressing	Unicast and multicast
IGMP Version	IGMP v2, IGMP v3

Scrambling

Interface	1x100 Mbps port (IFQ332) 2 x100 Mbps ports (IFQ332-64)
Scrambling Algorithms	CSA
SCS	Internal
CAS Connections	Up to 4 different CA systems
Supported CAS	Support major CA systems
Max. TS rate	1.6Gbps (IFQ332) 3.2Gbps (IFQ332-64)
EMM Bitrate	Up to 3Mbps

Physical & Environment

Input Voltage	90 ~ 264 VAC; -48 VDC (optional)
Power Consumption	Max.45W (IFQ332) Max.90W (IFQ332-64)
Rack Space	1 RU
Dimension (WxHxD)	445mm x 44mm x 400mm
Operating Temperature	0 ~ 50℃
Storage Temperature	-40 ~ 70℃
Relative Operating Humidity	≤95%
MTBF	≥100,000 hours

ORDER INFORMATION

Model	Description
IFQ332	1.6Gbps IP input, 32 channels QAM modulation output, single AC power supply
IFQ332-64-00	3.2Gbps IP input, 64 channels QAM modulation output, single AC power supply
IFQ332-64-01	3.2Gbps IP input, 64 channels QAM modulation output, -48V DC dual power supply

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