

**2014-2020 FESR – REACT EU – Avviso prot.20480
20/07/2021
I.C.S. "Pirandello"**

VERBALE DI COLLAUDO

Piattaforma GPU

All'albo on line e sul sito web

Agli atti del progetto

Fondi Strutturali Europei – Programma Operativo Nazionale “Per la scuola, competenze e ambienti per l’apprendimento” 2014-2020. Asse II - Infrastrutture per l’istruzione – Fondo Europeo di Sviluppo Regionale (FESR) – REACT EU. Asse V – Priorità d’investimento: 13i – (FESR) “Promuovere il superamento degli effetti della crisi nel contesto della pandemia di COVID-19 e delle sue conseguenze sociali e preparare una ripresa verde, digitale e resiliente dell’economia” – Obiettivo specifico 13.1: Facilitare una ripresa verde, digitale e resiliente dell’economia - Azione 13.1.1 “Cablaggio strutturato e sicuro all’interno degli edifici scolastici” – Avviso pubblico prot.n. 20480 del 20/07/2021 per la realizzazione di reti locali, cablate e wireless, nelle scuole.

CUP : G59J21008200006 – CIG : Z4335C6AA3

VERBALE DI COLLAUDO

Il **collaudatore** ing.Rochira Nicola, incaricato con lettera prot.0008866 del 02/05/2022 nel rispetto della nomina da Collaudatore ha proceduto in data odierna, a partire dalle ore 15:00 ai sensi dell’art.17, comma 3 Decreto 129/2018, al collaudo tecnico delle funzionalità del materiale relativo alla realizzazione del progetto 13.1.1-FESR PON-PU-2021-20480.

In particolare l’indagine ha riguardato il materiale, posato in opera e configurato dalla ditta TL Technology s.r.l

PLESSO PIRANDELLO

- N.1 Captive portal 802.1x port-based access control, Guest VLAN, Firewall
- N.6 Switch 16 porte PoE
- N.20 Access-Point
- N.1 Switch 16 porte
- N.12 terminazioni dati via cavo in Cat.6 (con relativo cablaggio)

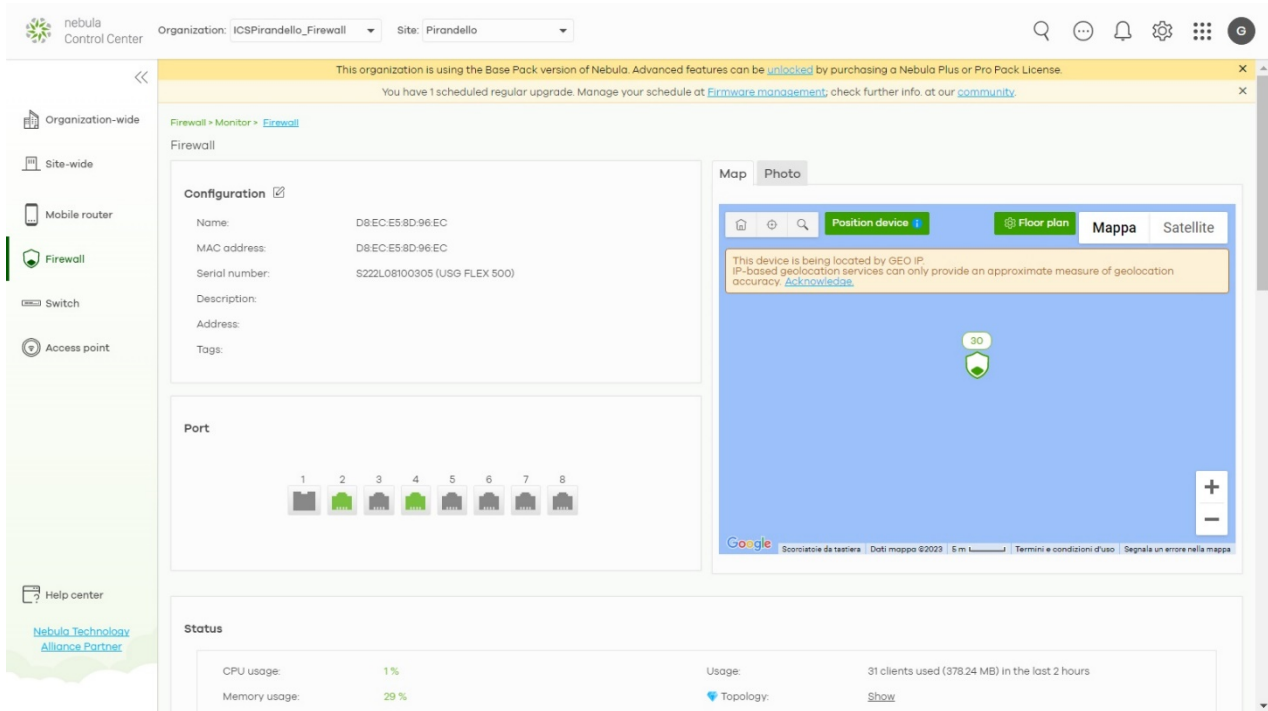
PLESSO FALCONE

- N.1 Captive portal 802.1x port-based access control, Guest VLAN, Firewall
- N.2 Switch 16 porte PoE
- N.18 Access-Point

Le operazioni di verifica sono state eseguite prima presso il plesso “Falcone” per poi proseguire presso la sede centrale dell’I.C. “Pirandello”.

È stata eseguita ispezione visiva dei componenti passivi (armadi, cavi, canaline, ecc.) e successivamente verificata la corretta funzionalità degli apparati attivi tramite il sistema di management in cloud Nebula, di cui si allegano gli output come evidenza dell’effettivo funzionamento.

I.C. "Pirandello"



Organization: ICSPirandello_Firewall Site: Pirandello

This organization is using the Base Pack version of Nebula. Advanced features can be [unlocked](#) by purchasing a Nebula Plus or Pro Pack License.

You have 1 scheduled regular upgrade. Manage your schedule at [Firmware management](#); check further info. at our [community](#).

Firewall > Monitor > Firewall

Configuration

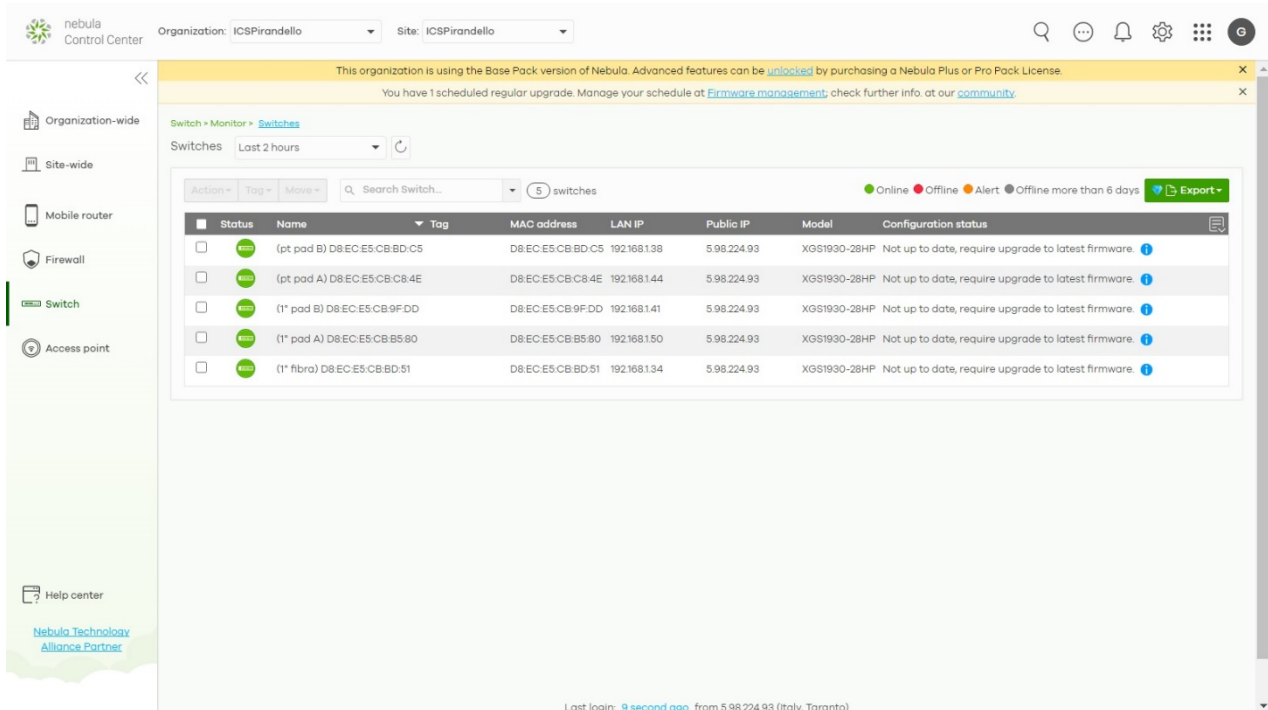
Name: D8:EC:E5:8D:96:EC
 MAC address: D8:EC:E5:8D:96:EC
 Serial number: S222L08100305 (USG FLEX 500)
 Description:
 Address:
 Tags:

Port

1 2 3 4 5 6 7 8

Status

CPU usage: 1% Usage: 31 clients used (378.24 MB) in the last 2 hours
 Memory usage: 29% Topology: [Show](#)



Organization: ICSPirandello Site: ICSPirandello

This organization is using the Base Pack version of Nebula. Advanced features can be [unlocked](#) by purchasing a Nebula Plus or Pro Pack License.

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Switch > Monitor > Switches

Switches Last 2 hours

Action Tag Move Search Switch... 5 switches

● Online ● Offline ● Alert ● Offline more than 6 days Export+

Status	Name	Tag	MAC address	LAN IP	Public IP	Model	Configuration status
Online	(pt pad B) D8:EC:E5:CB:BD:C5		D8:EC:E5:CB:BD:C5	192.168.1.38	5.98.224.93	XGS1930-28HP	Not up to date, require upgrade to latest firmware. i
Online	(pt pad A) D8:EC:E5:CB:C8:4E		D8:EC:E5:CB:C8:4E	192.168.1.44	5.98.224.93	XGS1930-28HP	Not up to date, require upgrade to latest firmware. i
Online	(1* pad B) D8:EC:E5:CB:9F:DD		D8:EC:E5:CB:9F:DD	192.168.1.41	5.98.224.93	XGS1930-28HP	Not up to date, require upgrade to latest firmware. i
Online	(1* pad A) D8:EC:E5:CB:B5:80		D8:EC:E5:CB:B5:80	192.168.1.50	5.98.224.93	XGS1930-28HP	Not up to date, require upgrade to latest firmware. i
Online	(1* fibro) D8:EC:E5:CB:BD:51		D8:EC:E5:CB:BD:51	192.168.1.34	5.98.224.93	XGS1930-28HP	Not up to date, require upgrade to latest firmware. i

Last login: 9 second ago from 5.98.224.93 (Italy, Taranto)

Organization: ICSPirandello Site: ICSPirandello

Status	Name	LAN IP	Remote AP	AP Role Capab...	Public IP	Model	Configuration status	Current client
<input type="checkbox"/>	(pt ingr DX) D8...			Standard	5.98.224.93	NWA210AX	Not up to date, require upgrade to latest firmware.	0
<input type="checkbox"/>	(1* pad A) D8 E...	192.168.133		Standard	5.98.224.93	NWA210AX	Not up to date, require upgrade to latest firmware.	0
<input type="checkbox"/>	(1* pad A) D8 E...	192.168.135		Standard	5.98.224.93	NWA210AX	Not up to date, require upgrade to latest firmware.	0
<input type="checkbox"/>	(1* pad A) D8 E...	192.168.136		Standard	5.98.224.93	NWA210AX	Not up to date, require upgrade to latest firmware.	0
<input type="checkbox"/>	(pt pad A) D8...	192.168.137		Standard	5.98.224.93	NWA210AX	Not up to date, require upgrade to latest firmware.	0
<input type="checkbox"/>	(pt pad B) D8...	192.168.139		Standard	5.98.224.93	NWA210AX	Not up to date, require upgrade to latest firmware.	0
<input type="checkbox"/>	(1* pad B) D8 E...	192.168.140		Standard	5.98.224.93	NWA210AX	Not up to date, require upgrade to latest firmware.	0
<input type="checkbox"/>	(pt pad B) D8...	192.168.142		Standard	5.98.224.93	NWA210AX	Not up to date, require upgrade to latest firmware.	0
<input type="checkbox"/>	(1* pad B) D8 E...	192.168.143		Standard	5.98.224.93	NWA210AX	Not up to date, require upgrade to latest firmware.	0
<input type="checkbox"/>	(1* segr) D8 EC...	192.168.145		Standard	5.98.224.93	NWA210AX	Not up to date, require upgrade to latest firmware.	0
<input type="checkbox"/>	(1 dir) D8 EC-E5...	192.168.146		Standard	5.98.224.93	NWA210AX	Not up to date, require upgrade to latest firmware.	0
<input type="checkbox"/>	(1* fibro) D8 E...	192.168.147		Standard	5.98.224.93	NWA210AX	Not up to date, require upgrade to latest firmware.	3
<input type="checkbox"/>	(pt pad A) D8...	192.168.152		Standard	5.98.224.93	NWA210AX	Not up to date, require upgrade to latest firmware.	0
<input type="checkbox"/>	(pt pad B) D8...	192.168.153		Standard	5.98.224.93	NWA210AX	Not up to date, require upgrade to latest firmware.	0
<input type="checkbox"/>	(pt pad A) D8...	192.168.154		Standard	5.98.224.93	NWA210AX	Not up to date, require upgrade to latest firmware.	0
<input type="checkbox"/>	(pt pad B) D8...	192.168.155		Standard	5.98.224.93	NWA210AX	Not up to date, require upgrade to latest firmware.	0
<input type="checkbox"/>	(pt ingr DX) D8...	192.168.156		Standard	5.98.224.93	NWA210AX	Not up to date, require upgrade to latest firmware.	0
<input type="checkbox"/>	(1* pad B) D8 E...	192.168.157		Standard	5.98.224.93	NWA210AX	Not up to date, require upgrade to latest firmware.	0
<input type="checkbox"/>	NWA210AX	192.168.159		Standard	5.98.224.93	NWA210AX	Not up to date, require upgrade to latest firmware.	0
<input type="checkbox"/>	NWA210AX	192.168.160		Standard	5.98.224.93	NWA210AX	Not up to date	0

Plesso "Falcone"

Organization: SSSPFalcone_Firewall Site: Falcone


This organization is using the Base Pack version of Nebula. Advanced features can be [unlocked](#) by purchasing a Nebula Plus or Pro Pack License.

Firewall > Monitor > Firewall

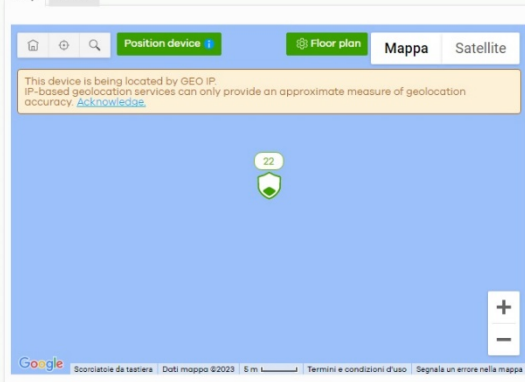
Configuration

Name: D8EC:E5:8D:96:3C
 MAC address: D8EC:E5:8D:96:3C
 Serial number: S222L08100306 (USG FLEX 500)
 Description:
 Address:
 Tags:

Port



Map **Photo**



Status

Organization: SSSPFalcone Site: Falcone

This organization is using the Base Pack version of Nebula. Advanced features can be [unlocked](#) by purchasing a Nebula Plus or Pro Pack License.

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Switches Last 2 hours

4 switches

Status	Name	Tag	MAC address	LAN IP	Public IP	Model	Configuration status
Online	(pt pad A) D8:EC:E5:CB:AE:5D		D8:EC:E5:CB:AE:5D	192.168.147	2.115.227.165	XGS1930-28HP	Not up to date, require upgrade to latest firmware.
Online	(pt pad B) D8:EC:E5:CB:9E:2A		D8:EC:E5:CB:9E:2A	192.168.151	2.115.227.165	XGS1930-28HP	Not up to date, require upgrade to latest firmware.
Online	(1* pad A) D8:EC:E5:CB:9C:5A		D8:EC:E5:CB:9C:5A	192.168.133	2.115.227.165	XGS1930-28HP	Not up to date, require upgrade to latest firmware.
Online	(1* pad B) D8:EC:E5:CB:A0:6E		D8:EC:E5:CB:A0:6E	192.168.134	2.115.227.165	XGS1930-28HP	Not up to date, require upgrade to latest firmware.

Last login: 11 second ago from 5.98.224.93 (Italy, Toronto)

Organization: SSSPFalcone Site: Falcone

Access points Last 2 hours

18 access points

Status	Name	LAN IP	Remote AP	AP Role	Capab...	Public IP	Model	Current client	MAC address	2.4GHz	5GHz	6GHz	Conf
Online	(1* pad A) D8:...	192.168.135		Standard		2.115.227.165	NWA210AX	0	D8:EC:E5:AA:CC:B0	1 (DCS)	40 (DCS)		Not up to
Online	(1* pad A) D8:...	192.168.136		Standard		2.115.227.165	NWA210AX	0	D8:EC:E5:AA:F0:88	6 (DCS)	44 (DCS)		Not up to
Online	(1* pad A) D8:...	192.168.138		Standard		2.115.227.165	NWA210AX	0	D8:EC:E5:AA:E0:10	11 (DCS)	48 (DCS)		Not up to
Online	(1* pad B) D8:...	192.168.137		Standard		2.115.227.165	NWA210AX	0	D8:EC:E5:AA:F1:C4	1 (DCS)	48 (DCS)		Not up to
Online	(1* pad B) D8:...	192.168.144		Standard		2.115.227.165	NWA210AX	0	D8:EC:E5:AA:D1:74	1 (DCS)	48 (DCS)		Not up to
Online	(1* pad B) D8:...	192.168.146		Standard		2.115.227.165	NWA210AX	0	D8:EC:E5:AA:DA:2C	6 (DCS)	36 (DCS)		Not up to
Online	(1* pad B) D8:...	192.168.157		Standard		2.115.227.165	NWA210AX	0	D8:EC:E5:AA:D9:10	11 (DCS)	44 (DCS)		Not up to
Online	(1* pad B) D8:...	192.168.145		Standard		2.115.227.165	NWA210AX	0	D8:EC:E5:AA:F2:EC	1 (DCS)	44 (DCS)		Not up to
Online	(pt pad A) D8:...	192.168.155		Standard		2.115.227.165	NWA210AX	0	D8:EC:E5:AA:D0:B0	11 (DCS)	36 (DCS)		Not up to
Online	(pt pad A) D8:...	192.168.153		Standard		2.115.227.165	NWA210AX	0	D8:EC:E5:AA:ED:84	1 (DCS)	44 (DCS)		Not up to
Online	(pt pad A) D8:...	192.168.148		Standard		2.115.227.165	NWA210AX	0	D8:EC:E5:AA:F0:84	1 (DCS)	40 (DCS)		Not up to
Online	(pt pad A) D8:...	192.168.149		Standard		2.115.227.165	NWA210AX	0	D8:EC:E5:AA:D1:F8	1 (DCS)	48 (DCS)		Not up to
Online	(pt pad A) D8:...	192.168.143		Standard		2.115.227.165	NWA210AX	0	D8:EC:E5:AA:E7:3C	11 (DCS)	44 (DCS)		Not up to
Online	(pt pad A) D8:...	192.168.154		Standard		2.115.227.165	NWA210AX	0	D8:EC:E5:AA:F3:0C	6 (DCS)	48 (DCS)		Not up to
Online	(pt pad B) D8:...	192.168.141		Standard		2.115.227.165	NWA210AX	0	D8:EC:E5:AA:D6:80	11 (DCS)	40 (DCS)		Not up to
Online	(pt pad B) D8:...	192.168.140		Standard		2.115.227.165	NWA210AX	0	D8:EC:E5:AA:EB:14	1 (DCS)	36 (DCS)		Not up to
Online	(pt pad B) D8:...	192.168.152		Standard		2.115.227.165	NWA210AX	0	D8:EC:E5:AA:F3:70	6 (DCS)	48 (DCS)		Not up to
Online	(pt pad B) D8:...	192.168.156		Standard		2.115.227.165	NWA210AX	0	D8:EC:E5:AA:F3:C0	6 (DCS)	44 (DCS)		Not up to

La disponibilità dei servizi di connettività ad internet è stata verificata tramite accesso alla pagina web del motore di ricerca Google, raggiungibile all'URL <https://www.google.com/>

A seguito delle verifiche eseguite si dichiara che il materiale fornito risulta essere conforme a quanto richiesto dal capitolato, correttamente installato e funzionante, in accordo ai requisiti progettuali.

Le operazioni di collaudo sono terminate con successo alle ore 18:45

Taranto, 25 gennaio 2023

Per l'impresa esecutrice TL Technology Taranto

Sig. Dino Nardelli

D.S. I.C. "Pirandello"

Dott.ssa Antonella Caforio

Il collaudatore

Ing. Nicola Rochira



ORDINE INGEGNERI PROVINCIA TARANTO	
Dott. Ing. ROCHIRA Nicola n° 2860	Sezione A Settore: Informazione